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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

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MINUTES OF MEETING NO. 343

September 14, 1993

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Henry Anderson	557-8329
Robert Mason	554-8251
Thinh Nguyen	550-2750
Joe Ovadia	554-8250
Maria Poulo	554-8275
Nelson Wong	552-8282

Department of Parking & Traffic

Traffic Engineering

Scott Broady	554-2326

Public Utilities Commission

Utilities Engineering Bureau

Mike Almasi	554-3238

Caltrans

Permits

Don Manning	557-1261

SF Fire Department

Bill Gunn	861-8000 x345

Port of San Francisco

Skip Zeller	274-0552

Pacific Bell

George Childs	(510)343-4422

Pacific Gas & Electric Co.

Mark Michaels	695-3274
Randy Yuen	695-3550

Teleport Communications

Doug Brunhow	276-0071

3 1223 06446 5561

MINUTES OF MEETING No. 343
September 14, 1993

The August 10, 1993 Minutes were approved.

OLD BUSINESS

Freeway Demolition Since work on the terminal separation structure has been completed, this item should be dropped from the agenda. All of the utilities have been very cooperative, and there was little delay, if any, due to utility conflicts. This cooperative attidtude is appreciated by Caltrans. (Don Manning)

Seismic Retrofit Work is underway from Revere Avenue to Jerrold Avenue. The main work to date has been footing excavation and pile driving along Selby Street. The contractor is C. C. Meyers, Inc. Estimated cost is $25,000,000.

Work is almost complete on the project from Evans Avenue to Army St. C. C. Meyers is the contractor on this project. Estimated final cost $13,000,000.

Bids will be opened on October 5 for the project at the Route 101/ Hwy. 280 interchange.

Mr. Zeller stated that, where construction on Hwy. 280 crosses the Islais Creek and on areas which are under Port jurisdiction, no Port permits will be required. However, the Port would need copies of the work plans and records of the construction to be undertaken by Caltrans and its contractors.

Stick Map City Agencies who participate in the Stickmap program are requested to attend a User's meeting on October 5 at 1680 Mission St. at 11AM. Topics for discussion include: logistical changes when the Brighter Images contract expires this December, the new format for entering updates and corrections into the system, agency information requirements, problems encountered, report and map overlays, and GIS system applications overview.

Permit Problems Mr. Childs asked if the City would require permits for streets that are under the Port of San Francisco's jurisdiction, how far the Port property lines extend, in terms of where the Public right of way ends and tenant property begins, and what are the Port's requirement for permits for utility construction. Ms. Chono stated that at this time, the City does not require an additional permit for construction on streets that are under Port jurisdiction. As for property lines, the Port has survey drawings that will show exactly where these are. Interested parties may contact Mr. Frank Polombo of the Port of San Francisco's Engineering Department, at 274-0559. As for where tenant property begins and the public right-of-way ends, these are handled on a case by case basis, since there are always exceptions, an example of which is, Pier 39.

After paving, will there be a moratorium on Port streets? The Port will be deciding this. BSM will continue to stamp applications for streets that are under moratorium.

CALTRANS Streets The preliminary list of City streets under Caltrans jurisdiction needs to be verified. Caltrans is doing so now; however, because of staff responsibilities, it may take some time for a more definitive list. The streets listed may not make sense (ie.: Silver Avenue from Third to Fourth St.). When freeway structures are built, Caltrans has the right of way over and on streets the freeway crosses, mostly for legal purposes. However, a maintenance agreement exists between Caltrans and the City which covers most of these. Some streets, like Circular, have not yet been relinquished to the City as they should be. Ms. Chono issued a word of caution, saying that some streets may appear as Caltrans and may not be in actuality, and vice versa. It would be best to check with them to find out. Port of SF streets also has the same issues.

Many utilities have facilities in the sidewalk area. If freeway footings are affected or nearby, Caltrans should be consulted. However, DPW's BSUM retains control over City sidewalks. Ms. Chono noted that since some sidewalks bordering Caltrans highways may be narrow, such as on 19th Avenue, Caltrans should also be involved.

Richardson Avenue The existing sewers on Richardson Avenue will be replaced by DPW in early Spring, 1994 (Spec 7336E). Caltrans plans to advertise a project for resurfacing in the summer of 1994. The limits of work are, Broderick Street to Doyle Drive. Traffic will need to be detoured through the Marina. The Dept. of Parking & Traffic is currently working on a plan.

Controlled Density Fill DPW specifications were not met during a recent test observation. There may not have been enough quality control from the manufacturer or perhaps, not enough sampling done from different sites. It would be very difficult to approve its use at this time.

NEW BUSINESS

Hydraulic Concerns Mr. Henry Anderson, Manager of Engineering's Hydraulics Section, discussed three concerns regarding protection of sewers which may have major impact on underground construction, these are: unequal loading, ground water, and differential ground movement. Contractor built box structures may or may not be pile supported or have drain rock around it. Problems may occur on adjacent trenches with flooding or, because of unequal loading, the sewer may collapse or partially break. On very old 3 X 5 egg shaped sewers, the cement holding it together has long disintegrated, with the ground around it keeping it together and providing the only means of support. If any part of this is disturbed, the whole thing might collapse. It would be best to try to stay at least three feet away from every sewer structure. If this is not possible, please inform Hydraulics so they can make a structural determination. A 1/2-inch styrofoam sheet inserted between the sewer and utility facilities, to make sure nothing adheres to the sewer structure, is also a good idea. Also, be careful and watch out for ground water blowing in.

Mr. Michaels asked if Hydraulics has incorporated these standards into new construction specifications. They are not at this time, the Hydraulics Section is currently exploring other possible solutions.

Interdepartmental Staff Committee on Traffic and Transportation (ISCOT) Minutes The ISCOT's July 22 meeting minutes contained a schedule for temporary street closures. Two of these were announced because of a possible impact on utilities' construction schedule: Grant Ave., between Sacramento St. and Pacific Ave. closed on Sunday, Feb. 20, 1994 for the Chinatown YMCA New Year's Run, from 6:30 to 9:00 AM and Grant Ave., between Jackson and Washington Streets, from Oct. 8 through Oct. 10, 1993 from 7AM to Midnight, for the Chinese Double Ten Day Celebration.

Various utility representatives stated an interest in receiving a copy of these ISCOT minutes for information about street closures. A sign up sheet was circulated and given to Mr. Broady, Dept. of Parking & Traffic's representative. (You can contact DPT at 554-2300 to find out how to get on the mailing list.)

Street Clearances Mr. Randy Yuen had heard that a list of about 1,000 streets would be coming to CULCOP for clearance in the near future. Ms. Poulo answered by stating that the Pavement Management System will generate a list of at least 2,000 streets that require repaving. Of these, a number will have to be put into the system in order to program streets for repaving after utilities' construction projects are completed. Mr. Michaels asked where the funding for paving these streets is coming from. Mr. Mason said funding may come from a Street Improvement Bond, which is set for the November ballot. Mr. Nelson Wong noted that support from the neighborhood groups is necessary. The last bond issue which was in 1987, garnered 70% support.

BSM's Blue Book Ms. Chono announced that the Bureau of Street Use and Mapping is in the process of revising their, "Rules and Regulations for Working on Public Streets," book. It is an effort to clarify the process of obtaining a permit, to incorporate the new conditions for a permit, and to formalize in a clearer package, the requirements for working on moratorium streets. It is a "How-to" book on obtaining a permit and will contain all the rules and regulations governing the process. The book, which will have a nice blue cover, should be out by December this year. Mr. Nelson Wong noted that DPT was working on a similar project and suggested BSUM may want to coordinate efforts. Mr.

Michaels asked if the utility users were being consulted. They had planned to circulate a draft copy through the CULCOP for distribution to members.

The next meeting will be at 10:00 am Tuesday, October 12, 1993, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission Street.

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DPW

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

SAMPLE MONTHLY MINUTES

COMMITTEE MEETING NO. 344

BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR

TUESDAY October 12, 1993
10:00 AM

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Next Meeting: November 9, 1993 at 10:00 A. M.
BOE Conference Room
1680 Mission Sreet, 4th Floor

CULCOP - September, 1993

Underground Planning

Meeting Minutes

City and County of San Francisco

Department of Public Works
Bureau of Street-Use and Mapping

UNDERGROUND PLANNING MEETING

MEETING DATE: September 7, 1993

PRESENT:

Tom Trimbur	-	DPW	(554-5826)
David Assadurian	-	PACBELL	(542-9695)
Terry Bouey	-	VIACOM	(863-8500)
Roy Surges	-	PG&E	(695-3567)

DISCUSSION:

A. PROJECT STATUS

1a. UGD 309 - ASHBURY AREA 2C (PHASE I)

PG&E cutovers approximately 85% complete. PacBell to convert this month. PG&E reports that three properties have not converted to accept underground utilities. The individual addresses will be supplied to City in near future.

1b. UGD 309 - ASHBURY AREA 2C (PHASE II)

One or two properties currently have telephone feeds from rear and need to be converted. Utility companies to contact property owners to confirm location of feeds and coordinate work. PG&E reported that the job is drawn up and that it intends to proceed with Upper Ashbury 2C (Phase II) after 8th Avenue and Sutro Heights are completed.

2. UGD 310 - PRESIDIO HEIGHTS

PG&E to submit drawings to PacBell by end of September. PG&E proposed to include gas main replacement in the sidewalk trench with the undergrounding project. Gas would be placed in the same trench with the other utilities. Several options were discussed including having PacBell contract out the construction but having PG&E crews install their facilities (to avoid labor contractual obligations) or having PacBell complete the composite drawing with PG&E crews doing the construction.

PG&E to write a letter to the Director of Public Works, ATTN: Denise Brady, requesting permission to include gas main in the sidewalk area for the project. PacBell to write letter to PG&E giving their concerns in having PG&E crews perform installation work on project that PacBell has let for contract.

3. 8TH AVENUE

PG&E crews proceeding with substructure work. Competed substructure on upper Ortega and over half complete on west side of 8th between Ortega and Noriega. The substructure work should be complete in two months.

4. SUTRO HEIGHTS ASSESSMENT DISTRICT

PG&E has completed gas main replacement on 500 Block of 47th Ave. Beginning substructure work on 48th Ave. even though composites and a finalized agreement with PacBell are not finalized.

5. DOLORES HEIGHTS ASSESSMENT DISTRICT

DPW submitted legislation to the Board of Supervisors adding blocks to the district per discussion with the utility companies.

B. OTHER BUSINESS

1. Mr. Trimbur stated that he has not heard from the City Attorney on his request regarding the application of Rule 20A funding to the undergrounding of backyard feeds.

C. THE NEXT MEETING WILL BE HELD ON MONDAY 4 OCTOBER 1993, AT 9:00 A.M. IN ROOM 359, CITY HALL.

cc: All Attendees
CULCOP file - thru Joe Norris
Hin Lok Kung - BOE
Lawrence Klein - Hetch Hetchy
Jack Donohoe - DET
Denise Brady - BSM
Ray Gigliati - BSM
Ray Yamagishi - BLHP
George Childes - PACBELL
Jacquiline Kelly - VIACOM
Cynthia Chono - BSM
Tom Flahavan - DET
Mike Callow - VIACOM

CULCOP - September, 1993

Utility Coordination Report

For the period:

Sept. 1 thru Sept. 30, 1993

City and County of San Francisco

Department of Public Works
Bureau of Engineering

UTILITY COORDINATION REPORT

For September 1, 1993 to September 30, 1993

Notice of Intent and Request for Information Issued:	**Date**
7316E - Various locations in the Glen Park District; Pavement Renovation	9-13-93
7261E - Various locations in the Sunset District; Pavement Renovation	9-17-93
7378E - Vallejo/Lombard Sewer Replacement	9-17-93
7318E - Various locations, North of Market; Pavement Renovation	9-21-93
7312E - Illinois & Army Streets Sewer Replacement (old 3289W)	9-29-93

Final Preliminary Plans Issued:	
7340E - Winston Dr., Lake Merced Blvd.-Buckingham Sewer Replacement	9-28-93
7312E - Illinois & Army Streets Sewer Replacement (old 3289W)	9-29-93

State of California:	
EA-14250 - Seismic Retrofit of Undercrossing at Routes 35 & 1	9-10-93
EA-04353 - Installation of Tension Rods in concrete columns on Route 80	9-24-93
EA-13336K - Retrofit of Freeway Columns and Footings	9-28-93

Other:

None

CULCOP STREET WORK CLEARANCE STATUS REPORT

October 4, 1993

EXPLANATION OF CODES AND HEADINGS:

Job Order The BOE pavement construction contract number is four digits followed by an 'E'. Unassigned BOE contracts have four periods preceding the 'E'. 'BSSR' means the street is to be paved by the Bureau of Street Repair. 'M' followed by digits means Muni work. Four digits followed by 'W' means a Clean Water Program. 'AWSS' indicates streets with an upcoming AWSS Cistern project. 'CDOT' are California Dept. of Transportation or Caltrans projects. 'DCP' are street and sidewalk projects included in the Department of City Planning's 5-Year Plan for Transportation Authority programs. 'PMMS' are the Pavement Management System's unassigned paving candidates.

Const/Date The month in which construction is intended. Utilities are asked to clear the streets before the construction date, or advise us of conflicts enough ahead of the date to allow adjustment. The construction date is blank for upcoming BSSR paving jobs. In its place, a BSSR Street Paving List is included with this report to indicate the current construction schedule. Streets which appear on this list have "*U/C*" on the Status Report to show the street is now assigned for construction. If you require specific paving information regarding these street segments, please call Mr. Charles O'Neil or Morris Olson at 695-2087.

Construction Type (TP) 'MF' means 'Mill and Fill'. 'RE' is 'Reconstruction', usually of a concrete street. 'TR' is 'Track Removal'.

Utility Clearance Dates In general, the date when the street segment is declared or anticipated to be clear of a utility or agency's planned underground project.
PG&E GAS "LK" means a gas leak was found on the street and requires work before paving. "GP--" means the street is scheduled to have a gas main replaced during the year indicated.
Sewer Streets marked with a dash cannot be cleared because they have sewers constructed before 1920, some of which may not be structurally sound. Clearance information will be provided soon after inspection. "NO" means the existing sewer will be replaced. "JT" means the utility will coordinate their construction project with paving or with another utility.

MISC and Clearance Remarks The "MISC" column has clearance information for agencies which have just a few underground projects. The "Clearance Remarks:" column shows whose project it is. 'UGD' means Underground District Program. This column also indicates whether a conflict currently exists given an agency's or utility's clearance date in relation to the construction date. All conflicts are listed in the "Moratorium and Paving Schedule Conflicts Report". It is of utmost importance to resolve conflicts as soon as possible and to update the status report.

NOTE: This listing is an integral part of the monthly meeting minutes of CULCOP. In the absence of specific corrections made at the time of the meeting, the status report will be deemed approved along with the minutes.

The deadline for this month's update information is October 22, 1993. Please call Maria Poulo at 554-8275 for more information.

10/04/93

Please return this
completed form with your
other clearance updates.

Agency/Utility: ____________________

CULCOP - CLEARANCE UPDATE REPORT

Streets added this month needing clearances

PMMS No.	STREET	FROM:	TO:	Job Order	TP	Pls. indicate clearance date:	Comments:
2435000	Amber	Quartz	Coralino	PMMS*	RE		
2436000	Amber	Coralino	Turquois	PMMS*	RE		
2024000	6thSt	Market	Stevensn	7280*	MF		
2026000	6thSt	Stevensn	Jessie	7280*	MF		
2025000	6thSt	Jessie	Mission	7280*	MF		
2027000	6thSt	Mission	Minna	7280*	MF		
2028000	6thSt	Minna	Natoma	7280*	MF		
2029000	6thSt	Natoma	Howard	7280*	MF		
2030000	6thSt	Howard	Tehama	7280*	MF		
2031000	6thSt	Tehama	Clementi	7280*	MF		
2032000	6thSt	Clementi	Folsom	7280*	MF		
2033000	6thSt	Folsom	Shipley	7280*	MF		
2034000	6thSt	Shipley	Clara	7280*	MF		
2035000	6thSt	Clara	Harrison	7280*	MF		

CULCOP STREET CLEARANCE STATUS REPORT

							UTILITY CLEARANCE DATES												
PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
2195000	Acadia	Joost	End:N	MF	BSSR		LK	4/90		10/89	10/89	10/89	8/93	8/93					
2206000	Acton	Mission	CountyLn	MF	BSSR		11/89	2/89		10/89	10/89	10/89	8/93	8/93					
2248000	Ahern	Harriet	6thSt	mf	BSSR		1/86	4/86	3/86		6/86	9/93	8/93	8/93					
2254000	Alabama	Treat	16thSt	MF	7041E	7/94	2/93	12/89	12/89	10/89	1/90	9/91	9/91	8/91			2/93		
2255000	Alabama	16thSt	17thSt	MF	7041E	7/94	2/93	6/92	8/92	9/91	9/91	7/91	9/91	8/91			2/93		
2256000	Alabama	17thSt	Mariposa	MF	7041E	7/94	2/93	6/92	8/92	9/91	9/91	9/91	9/91	8/91			2/93		
2257000	Alabama	Mariposa	18thSt	MF	7041E	7/94	2/93	6/92	8/92	9/91	9/91	9/91	9/91	8/91			2/93		
2258000	Alabama	18thSt	19thSt	MF	7041E	7/94	2/93	6/92	8/92	9/91	9/91	9/91	9/91	8/91			2/93		
2260000	Alabama	19thSt	20thSt	MF	7041E	7/94	GP/94	6/92	8/92	9/91	9/91	7/91	9/91	8/91					
2261000	Alabama	20thSt	21stSt	MF	7041E	7/94	GP/94	6/92	8/92	9/91	9/91	9/91	9/91	8/91					
2262000	Alabama	21stSt	22dSt	MF	7041E	7/94	GP/94	6/92	8/92	9/91	9/91	9/91	9/91	8/91					
2263000	Alabama	22ndSt	23rdSt	MF	7041E	7/94	GP/94	6/92	8/92	5/94	9/91	7/91	9/91	8/91					
2264000	Alabama	23dSt	24thSt	MF	7041E	7/94	GP/94	6/92	8/92	5/94	9/91	9/91	9/91	8/91					
2265000	Alabama	24thSt	25thSt	MF	7041E	7/94	GP/94	6/92	8/92	6/94	9/91	7/91	9/91	8/91					
2266000	Alabama	25thSt	26thSt	MF	7041E	7/94	GP/94	6/92	8/92	9/91	9/91	9/91	9/91	8/91					
2267000	Alabama	26thSt	Army	MF	7041E	7/94	GP/94	6/90	12/89	10/89	1/90	-	9/91	8/91					
2287000	Alameda	SanBruno	Utah	MF	7271E		9/92	5/92	2/93	9/91	9/91	11/92	9/91	8/91			2/93		
2289000	Alameda	Utah	Potrero	MF	7271E		9/92	5/92	2/93	9/91	9/91	11/92	9/91	8/91			2/93		
2325000	Alemany	Bayshore	Folsom	mf	6680E	2/94	2/93	3/90	5/92	5/90	7/90	7/90	9/91	8/91			2/93		
2331204	Alemany	Ellswort	Overpass	mf	6680E	2/94	2/93	6/92	2/92	9/91	9/91	7/91	9/91	8/91			2/93		
2331206	Alemany	Overpass	Congdon	mf	6680E	2/94	9/92	6/92	2/92	9/91	9/91	7/91	9/91	8/91			9/92		
2331207	Alemany	Congdon	Mission	mf	6322E	7/91												03/31/92	03/31/95
2331210	Alemany	Mission	Lyell	MF	6322E	7/91												03/31/92	03/31/95
2331211	Alemany	Lyell	Silver	MF	6322E	7/91												03/31/92	03/31/95
2331212	Alemany	Silver	Tingley	MF	6322E	7/91												03/31/92	03/31/95
2331213	Alemany	Tingley	Theresa	MF	6322E	7/91												03/31/92	03/31/95
2331214	Alemany	Theresa	Cotter	MF	6322E	7/91												03/31/92	03/31/95
2331215	Alemany	Cotter	Francis	MF	6322E	7/91												03/31/92	03/31/95
2331216	Alemany	Francis	SantaRos	MF	6322E	7/91												03/31/92	03/31/95
2331217	Alemany	SantaRos	SanJuan	MF	6322E	7/91												03/31/92	03/31/95
2331220	Alemany	SanJuan	Ocean	MF	6322E	7/91												03/31/92	03/31/95
2331223	Alemany	Ocean	Onondaga	MF	6322E	7/91												03/31/92	03/31/95

CULCOP STREET CLEARANCE STATUS REPORT

							UTILITY CLEARANCE DATES												
PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
2331221	Alemany	Ocean	Leo	MF	6322E	7/91												03/31/92	03/31/95
2331223	Alemany	Leo	Onondaga	MF	6322E	7/91												03/31/92	03/31/95
2331224	Alemany	Onondaga	Oneida	MF	6322E	7/91												03/31/92	03/31/95
2331225	Alemany	Oneida	Seneca	MF	6322E	7/91												03/31/92	03/31/95
2331227	Alemany	Seneca	Geneva	MF	6322E	7/91												03/31/92	03/31/95
2331228	Alemany	Geneva	Restani	MF	6322E	7/91												03/31/92	03/31/95
2331228	Alemany	Geneva	Restani	MF	6322E	7/91												03/31/92	03/31/95
2331229	Alemany	Restani	Niagara	MF	6322E	7/91												03/31/92	03/31/95
2331229	Alemany	Restani	Niagara	MF	6322E	7/91												03/31/92	03/31/95
2331230	Alemany	Niagara	MtVernon	MF	6322E	7/91												03/31/92	03/31/95
2331231	Alemany	MtVernon	Ottawa	MF	6322F	7/91												03/31/92	03/31/95
2331233	Alemany	Ottawa	Foote	MF	6322E	7/91												03/31/92	03/31/95
2331234	Alemany	Foote	Naglee	MF	6322E	7/91												03/31/92	03/31/95
2331235	Alemany	Naglee	Farragut	MF	6322E	7/91												03/31/92	03/31/95
2331237	Alemany	Farragut	Lawrence	MF	6322E	7/91												03/31/92	03/31/95
2331238	Alemany	Lawrence	Sickles	MF	6322E	7/91												03/31/92	03/31/95
2331240	Alemany	Sickles	SanJose	MF	6322E	7/91												03/31/92	03/31/95
2331246	Alemany	Bright	Head	MF	BSSR													09/11/90	09/11/93
2353000	Alhambra	Pierce	Mallorca	MF	BSSR		1/93	6/92	3/86	12/92	6/86	9/93	3/92	5/92			9/93		
2364000	Allison	Morse	Brunswic	MF	BSSR		12/92	6/92	4/92	12/93	7/92	11/92	3/92	5/92			12/93		
2369000	Allston	Ulloa	Claremon	MF	BSSR		GP/94	4/86	3/86	12/93	6/86		3/92	5/92					
2373000	Alma	Stanyan	Shrader	MF	BSSR		7/93	4/86	3/86	12/93	6/86		3/92	5/92					
2385000	Alpha	Teddy	Arleta	MF	BSSR													08/05/93	08/05/96
2394000	Alta	End:E	Montgome	RE	6424E	7/91												03/15/92	03/15/95
2415000	Alvarado	Hoffmann	Grandvie	re	6424E	7/91												03/15/92	03/15/95
2433000	Amber	Cameo	Amethyst	RE	7254E	5/94													
2435000	Amber	Quartz	Coralino	RE	PMMS*														
2436000	Amber	Coralino	Turquois	RE	PMMS*														
2455000	Anderson	Cortland	Eugenia	mf	BSSR													09/10/90	09/10/93
2480000	Ankeny	Bishop	Sparta	MF	BSSR		12/92	6/92	8/92	12/92	7/92	6/92	3/92	5/92			12/92		
2487000	Annapoli	GoldnGte	Turk	MF	BSSR			4/86	3/86		6/86	9/93							
2494000	Anson	Powell	End	MF	BSSR		3/90	12/89		10/89	1/90	10/89	8/93	8/93					

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2508000	Anza	Parker	Beaumont	MF	BSSR			4/86	3/86		6/86		8/93	8/93					
2509000	Anza	Beaumont	Stanyan	MF	BSSR			4/86	3/86		6/86		8/93	8/93					
2510000	Anza	Stanyan	Rossi	MF	BSSR		3/86	4/86	3/86		6/86		8/93	8/93					
2513000	Anza	Almaden	Arguello	MF	BSSR		3/86	4/86	3/86		6/86		8/93	8/93					
2539000	Anza	25thAve	26thAve	MF	BSSR		12/92	8/93		10/89	10/89	10/89	8/93	8/93					
2541000	Anza	27thAve	28thAve	RE	....E		LK	8/93	3/93	3/93	4/93	-	8/93	8/93					
2545000	Anza	32ndAve	33rdAve	MF	BSSR		4/86	4/86	3/86		6/86		8/93	8/93					
2548000	Anza	35thAve	36thAve	MF	BSSR		4/86	4/86	3/86		6/86		8/93	8/93					
2580000	Aptos	Darien	Upland	MF	BSSR			8/93			8/93		8/93	8/93		Slurry1990			
2581000	Aptos	Upland	Ocean	MF	BSSR			8/93	7/90		8/93		8/93	8/93		Slurry1990			
2590000	Arballo	Acevedo	Higuera	MF	7260E		11/92	6/92	3/92	12/92	7/92	11/92	3/92	5/92			12/92		
2598000	Arbor	Conrad	Hilirita	MF	BSSR			8/93			8/93		8/93	8/93					
2607000	Arch	Shields	Garfield	RE	....E		10/92	8/93	3/93	3/93	4/93	2/93	8/93	8/93		High Priority	8/93		
2608000	Arch	Garfield	Holloway	MF	7260E		10/92	3/90	2/92	10/89	10/89	11/92	3/92	5/92			11/92		
2660000	Arguello	Lincoln	Carl	MF	BSSR													09/18/91	09/18/94
2666000	Arkansas	16thSt	17thSt	MF	7042E	8/92												11/30/92	11/30/95
2667000	Arkansas	17thSt	Mariposa	MF	7042E	8/92												11/30/92	11/30/95
2668000	Arkansas	Mariposa	18thSt	MF	7042E	8/92												11/30/92	11/30/95
2669000	Arkansas	18thSt	19thSt	mf	BSSR		LK	2/86	12/94	3/93	6/86	3/93	8/93	8/93		High Priority			
2670000	Arkansas	19thSt	20thSt	RE	....E		9/92	12/85	12/94	3/93	8/85	3/93	8/93	8/93		High Priority	12/94		
2671900	Arkansas	20thSt	22ndSt	MF	BSSR													10/01/91	10/01/94
2672000	Arkansas	22ndSt	Madera	MF	BSSR		9/92	6/92	3/86	12/92	6/86	11/92	3/92	5/92			12/92		
2673000	Arkansas	Madera	23rdSt	MF	BSSR													06/28/93	06/28/96
2678000	Arleta	Delta	Elliot	mf	BSSR													04/23/91	04/23/94
2681000	Arlingto	Fairmoun	Charles	MF	7017E	8/92												09/16/92	09/16/95
2682000	Arlingto	Charles	Highland	MF	7017E	8/92												09/16/92	09/16/95
2683000	Arlingto	Highland	Miguel	MF	7017E	8/92												09/16/92	09/16/95
2684000	Arlingto	Miguel	Mateo	MF	7017E	8/92												09/16/92	09/16/95
2685000	Arlingto	Mateo	Roanoke	MF	7017E	8/92												09/16/92	09/16/95
2686000	Arlingto	Roanoke	Natick	MF	7017E	8/92												09/16/92	09/16/95
2687000	Arlingto	Natick	Bosworth	MF	7017E	8/92												09/16/92	09/16/95
2687000	Arlingto	Bosworth	Wilder	CT	BSSR													06/03/91	06/03/94

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2707000	Army	3rdSt	Tennesse	MF	....E		9/92	6/89	3/89	3/89	4/89	6/92	9/91	8/91			9/92		
2708000	Army	Tennesse	Minnesot	MF	....E		9/92	6/89	3/89	3/89	4/89	6/92	9/91	8/91			9/92		
2709000	Army	Minnesot	Indiana	MF	....E		9/92	6/89	3/89	3/89	3/89	6/92	9/91	8/91			9/92		
2711202	Army	Pennsylv	Mississi	MF	6678E	2/92												05/20/92	05/20/95
2711203	Army	Mississi	Missouri	MF	6678E	2/92												05/20/92	05/20/95
2711204	Army	Missouri	Connecti	MF	6678E	2/92												05/20/92	05/20/95
2711205	Army	Connecti	Evans	MF	6678E	2/92												05/20/92	05/20/95
2711206	Army	Evans	Kansas	MF	6678E	2/92												05/20/92	05/20/95
2711207	Army	Kansas	Bayshore	MF	6678E	2/92												05/20/92	05/20/95
2711214	Army	Potrero	Hampshir	MF	6636E	11/91												05/15/92	05/15/95
2711215	Army	Hampshir	York	MF	6636E	11/91												05/15/92	05/15/95
2711216	Army	York	Bryant	MF	6636E	11/91												05/15/92	05/15/95
2711217	Army	Bryant	Florida	MF	6636E	11/91												05/15/92	05/15/95
2711218	Army	Florida	Alabama	MF	6636E	11/91												05/15/92	05/15/95
2711219	Army	Alabama	Harrison	MF	6636E	11/91												05/15/92	05/15/95
2711220	Army	Harrison	Folsom	MF	6636E	11/91												05/15/92	05/15/95
2711221	Army	Folsom	Shotwell	MF	6636E	11/91												05/15/92	05/15/95
2711222	Army	Shotwell	SoVanNes	MF	6636E	11/91												05/15/92	05/15/95
2711223	Army	SoVanNes	Mission	MF	6636E	11/91												05/15/92	05/15/95
2711224	Army	Mission	Bartlett	MF	6636E	11/91												05/15/92	05/15/95
2711225	Army	Bartlett	Valencia	MF	6636E	11/91												05/15/92	05/15/95
2711226	Army	Valencia	SanJose	MF	6636E	11/91												05/15/92	05/15/95
2711230	Army	Church	Sanchez	MF	7316E		LK	8/93			8/93		8/93	8/93					
2711231	Army	Sanchez	Noe	MF	BSSR		10/92	8/93			8/93		8/93	8/93					
2711232	Army	End	Castro	MF	BSSR			8/93			8/93		8/93	8/93					
2711233	Army	Castro	Diamond	RE	....E		8/93	8/93	2/93	3/93	4/93	2/93	8/93	8/93			8/93		
2711234	Army	Diamond	Douglass	MF	7316E		LK	8/93			8/93		8/93	8/93					
2718000	Arthur	3rdSt	Quint	MF	PMMS		9/92	8/93	7/93	7/93	8/93		8/93	8/93					
2733000	Ashbury	Clifford	Downey	MF	7271E		7/93	8/93			8/93		8/93	8/93					
2739000	Ashton	Grafton	Holloway	MF	BSSR													11/12/91	11/12/94
2741000	Ashton	Holloway	DeMontft	MF	BSSR													11/14/91	11/14/94
2756000	Athens	Excelsio	Brazil	mf	BSSR		GP/94	6/92	7/90	6/89	1/90	11/92	9/91	8/91					

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2765000	Athens	Cordova	Naples	MF	BSSR		11/92	6/92	2/92	12/93	7/92		3/92	5/92					
2774000	Augusta	Scotia	Watervil	MF	BSSR													04/26/91	04/26/94
2775000	Augusta	Watervil	Elmira	MF	BSSR		3/93	8/93			8/93		8/93	8/93					
2776000	Augusta	Elmira	CharterO	MF	BSSR		3/93	8/93			8/93		8/93	8/93					
2796000	Avalon	Edinburg	Naples	RE	....E	*/94	GP/94	12/89	7/90	10/89	1/90	10/89	9/91	8/91					
2798000	Avalon	Vienna	Athens	MF	BSSR		GP/94	6/92	3/86	12/92	6/86	11/92	3/92	5/92					
2801000	Avalon	Moscow	Peru	MF	BSSR													08/05/93	08/05/96
2805000	Avila	Chestnut	Alhambra	MF	BSSR	10/92												11/10/92	11/10/95
2807000	Avila	Capra	Beach	OL	6001Q	1/90												07/27/90	07/27/93
2808000	Avila	Beach	Prado	OL	6001Q	1/90												07/27/90	07/27/93
2841000	Baden	Circular	Hearst		CDOT		LK	8/93	4/93		4/93		8/93	8/93		Caltrans			
2850000	Baker	Haight	Page	MF	BSSR													12/17/91	12/17/94
2851000	Baker	Page	Oak	MF	BSSR													12/18/91	12/18/94
2862000	Baker	Geary	Post	MF	BSSR													08/06/91	08/06/94
2863000	Baker	Post	Sutter	MF	BSSR		GP/94	6/92	3/86	3/94	6/87	9/90	9/91	8/91					
2867000	Baker	Californ	Sacramen	mf	BSSR		1/93	10/90	10/91	6/95	1/91	11/92	9/91	8/91			6/95		
2868000	Baker	Sacramen	Clay	mf	7318E		LK	10/90	10/91	10/90	1/91	NO	9/91	8/91					
2872000	Baker	Pacific	Broadway	MF	BSSR													08/05/91	08/05/94
2892000	Balboa	Arguello	2ndAve	MF	6539E	12/91												03/26/92	03/26/95
2893000	Balboa	2ndAve	3rdAve	MF	6539E	12/91												03/26/92	03/26/95
2894000	Balboa	3rdAve	4thAve	MF	6539E	12/91												03/26/92	03/26/95
2895000	Balboa	4thAve	5thAve	MF	6539E	12/91												03/26/92	03/26/95
2896000	Balboa	5thAve	6thAve	MF	6539E	12/91												03/26/92	03/26/95
2897000	Balboa	6thAve	7thAve	MF	6539E	12/91												03/26/92	03/26/95
2898000	Balboa	7thAve	8thAve	MF	6539E	12/91												03/26/92	03/26/95
2899000	Balboa	8thAve	9thAve	MF	6539E	12/91												03/26/92	03/26/95
2900000	Balboa	9thAve	10thAve	MF	6539E	12/91												03/26/92	03/26/95
2901000	Balboa	10thAve	11thAve	MF	6539E	12/91												03/26/92	03/26/95
2902000	Balboa	11thAve	12thAve	MF	6539E	12/91												03/26/92	03/26/95
2903000	Balboa	12thAve	Funston	MF	6539E	12/91												03/26/92	03/26/95
2904000	Balboa	Funston	ParkPres	MF	6539E	12/91												03/26/92	03/26/95
2905000	Balboa	ParkPres	14thAve	MF	6539E	12/91												03/26/92	03/26/95

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2906000	Balboa	14thAve	15thAve	MF	6539E	12/91												03/26/92	03/26/95
2907000	Balboa	15thAve	16thAve	MF	6539E	12/91												03/26/92	03/26/95
2908000	Balboa	16thAve	17thAve	MF	6539E	12/91												03/26/92	03/26/95
2909000	Balboa	17thAve	18thAve	MF	6539E	12/91												03/26/92	03/26/95
2910000	Balboa	18thAve	19thAve	MF	6539E	12/91												03/26/92	03/26/95
2911000	Balboa	19thAve	20thAve	MF	6539E	12/91												03/26/92	03/26/95
2912000	Balboa	20thAve	21stAve	MF	6539E	12/91												03/26/92	03/26/95
2913000	Balboa	21stAve	22ndAve	MF	6539E	12/91												03/26/92	03/26/95
2914000	Balboa	22ndAve	23rdAve	MF	6539E	12/91												03/26/92	03/26/95
2915000	Balboa	23rdAve	24thAve	MF	6539E	12/91												03/26/92	03/26/95
2916000	Balboa	24thAve	25thAve	MF	6539E	12/91												03/26/92	03/26/95
2917000	Balboa	25thAve	26thAve	mf	6539E	12/91												03/26/92	03/26/95
2918000	Balboa	26thAve	27thAve	mf	6539E	12/91												03/26/92	03/26/95
2919000	Balboa	27thAve	28thAve	mf	6539E	12/91												03/26/92	03/26/95
2920000	Balboa	28thAve	29thAve	mf	6539E	12/91												03/26/92	03/26/95
2921000	Balboa	29thAve	30thAve	mf	6539E	12/91												03/26/92	03/26/95
2922000	Balboa	30thAve	31stAve	mf	6539E	12/91												03/26/92	03/26/95
2924000	Balboa	32dAve	33dAve	mf	6539E	12/91												03/26/92	03/26/95
2925000	Balboa	33rdAve	34thAve	MF	6539E	12/91												03/26/92	03/26/95
2926000	Balboa	34thAve	35thAve	MF	6539E	12/91												03/26/92	03/26/95
2927000	Balboa	35thAve	36thAve	MF	6539E	12/91												03/26/92	03/26/95
2928000	Balboa	36thAve	37thAve	MF	6539E	12/91												03/26/92	03/26/95
2929000	Balboa	37thAve	38thAve	MF	6539E	12/91												03/26/92	03/26/95
2930000	Balboa	38thAve	39tnAve	MF	6539E	12/91												03/26/92	03/26/95
2931000	Balboa	39thAve	40thAve	MF	6539E	12/91												03/26/92	03/26/95
2932000	Balboa	40thAve	41stAve	MF	6539E	12/91												03/26/92	03/26/95
2933000	Balboa	41stAve	42dAve	MF	6539E	12/91												03/26/92	03/26/95
2934000	Balboa	42ndAve	43rdAve	MF	6539E	12/91												03/26/92	03/26/95
2935000	Balboa	43rdAve	44thAve	MF	6539E	12/91												03/26/92	03/26/95
2936000	Balboa	44thAve	45thAve	MF	6539E	12/91												03/26/92	03/26/95
2937000	Balboa	45thAve	46thAve	MF	6539E	12/91												03/26/92	03/26/95
2938000	Balboa	46thAve	47thAve	MF	6539E	12/91												03/26/92	03/26/95

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2939000	Balboa	47thAve	48thAve	MF	6539E	12/91												03/26/92	03/26/95
2940000	Balboa	48thAve	LaPlaya	MF	6539E	12/91												03/26/92	03/26/95
2941000	Balboa	LaPlaya	GreatHwy	MF	6539E	12/91												03/26/92	03/26/95
2976000	Banks	Cortland	Jarboe	MF	BSSR			8/93			8/93		8/93	8/93					
2977000	Banks	Jarboe	Tompkins	MF	BSSR			8/93			8/93		8/93	8/93					
2978000	Banks	Tompkins	Ogden	MF	BSSR			8/93			8/93		8/93	8/93					
2979000	Banks	Ogden	Crescent	mf	BSSR													07/11/90	07/11/93
2984000	Bannock	Seneca	Geneva	MF	BSSR		12/92	5/92	3/92	12/93	7/92	11/92	3/92	5/92			12/93		
2988000	Barnevel	Jerrold	McKinnon	MF	BSSR							NO							
2989000	Barnevel	McKinnon	Newcomb	MF	BSSR							NO							
2990000	Barnevel	Newcomb	Oakdale	MF	BSSR							NO							
2998000	Barnevel	Rickard	Gaven	OL	BSSR	*U/C*	3/93	6/92	8/92	12/93	7/92	11/92	3/92	5/92			12/93		
2999000	Barnevel	Gaven	Sweeny	MF	BSSR		3/93	6/92	8/92	12/93	7/92	11/92	3/92	5/92			12/93		
3000000	Barnevel	Sweeny	Hale	MF	BSSR		3/93	6/92	8/92	12/93	7/92	11/92	3/92	5/92			12/93		
3001000	Barnevel	Hale	Silver	MF	BSSR		3/93	2/86	3/86	12/93	6/86	11/92	3/92	5/92			12/93		
3003000	Bartlett	21stSt	22dSt	MF	7252E	4/94	7/93	8/93	2/93	4/94	9/91	3/93	9/91	8/91			4/94		
3004000	Bartlett	22dSt	23dSt	MF	7252E	4/94	7/93	8/93	2/93	4/94	9/91	3/93	9/91	8/91			8/93		
3005000	Bartlett	23rdSt	24thSt	MF	7252E	4/94	7/93	2/86	2/93	4/94	6/86	2/93	9/91	8/91			4/94		
3006000	Bartlett	24thSt	25thSt	MF	7252E	4/94	7/93	8/93	2/93	4/94	4/93	12/93	8/93	8/93			4/94		
3007000	Bartlett	25thSt	26thSt	MF	7252E	4/94	7/93	8/85	2/93	4/94	12/84		9/91	8/91					
3008000	Bartlett	26thSt	Army	MF	7252E	4/94	8/93	2/86	2/93	4/94	6/86	12/93	9/91	8/91			4/94		
3017000	Battery	Pine	Californ	MF	BSSR		2/93	1/87	3/92	5/94	6/86	11/92	9/91	8/91			5/94		
3019000	Battery	Californ	Sacramen	MF	7318E		2/93	5/92	3/86	10/88	6/86	11/92	9/91	8/91			2/93		
3020000	Battery	Sacramen	Clay	MF	7318E		2/93	11/88	12/88	10/88	6/86	11/92	9/91	8/91			2/93		
3035000	Battery	Greenwic	Lombard	TR	5994E	7/91												11/01/91	11/01/94
3058000	Bay	Webster	Fillmore	JT	AWSS	11/92	1/93	8/93	11/92	10/92	4/93	11/92	1/94	8/93			1/94		
3099000	Bayshore	Key	Hester	MF	BSSR			8/93			8/93		8/93	8/93					
3125000	Bayview	3rdSt	Latona	MF	BSSR													08/06/93	08/06/96
3126000	Bayview	Latona	Pomona	MF	BSSR		LK	6/92	3/92	9/91	9/91	11/92	9/91	8/91					
3135000	Beach	Mason	Taylor	MF	7318E		1/93	4/86	3/86	4/92	6/86	11/92	9/91	8/91			1/93		
3136000	Beach	Taylor	Jones	MF	7318E		1/93	5/92	10/91	4/92	9/91	11/92	9/91	8/91			1/93		
3146000	Beach	Fillmore	Cervante	OL	6004Q	1/90												07/10/90	07/10/93

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3153000	Beach	Pierce	Avila	OL	6004Q	1/90												07/10/90	07/10/93
3154000	Beach	Avila	Scott	MF	BSSR			8/93			8/93		8/93	8/93					
3156000	Beach	Scott	Divisade	MF	BSSR														
3158000	Beach	Broderic	Baker	OL	6004Q	1/90												07/10/90	07/10/93
3163000	Beacon	Miguel	Diamond	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
3167000	Beale	Market	Mission	MF	BSSR		GP/93	3/93	8/92	9/94	7/92	11/92	3/92	5/92					
3169000	Beale	Mission	Howard	MF	BSSR		GP/93	3/93	4/93	9/94	7/92	NO	3/92	5/92					
3171000	Beale	Howard	Folsom	TR	5994E	7/91												11/01/91	11/01/94
3177000	Beale	Harrison	Bryant	TR	5994E	7/91												11/01/91	11/01/94
3180000	Beale	Bryant	Embarcad	MF	BSSR		GP/94	3/90	12/89	10/89	1/90	11/92	3/92	5/92					
3193000	Beaver	Noe	Castro	mf	7271E		9/92	6/92	3/86	9/91	6/86	11/92	9/91	8/91			11/92		
3208000	Belcher	14thSt	Duboce	MF	BSSR		6/93	6/92	3/86	1/92	6/86		6/92	5/92					
3212000	Belgrave	End	Shrader	MF	7271E		7/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92			7/93		
3213000	Belgrave	Shrader	Stanyan	MF	7271E		8/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92			8/93		
3214000	Belgrave	Stanyan	End	MF	7271E		8/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92			8/93		
3253000	Belveder	Waller	Frederic	MF	BSSR		7/93	5/92	3/86	10/94	6/86		3/92	5/92					
3255000	Belveder	Parnassu	Grattan	MF	7271E		7/93	8/93			8/93		8/93	8/93					
3258000	Belveder	Rivoli	17thSt	MF	BSSR		7/93	5/92	3/86	1/92	6/86		3/92	5/92					
3259000	Belveder	17thSt	Carmel	mf	7271E		7/93	8/93			8/93		8/93	8/93					
3261000	Bemis	Miguel	Bemis	MF	BSSR													09/07/93	09/07/96
3262000	Bemis	Bemis	Addison	MF	BSSR													09/07/93	09/07/96
3263000	Bemis	Addison	Mateo	MF	BSSR													09/07/93	09/07/96
3264000	Bemis	Mateo	Roanoke	MF	BSSR													09/08/93	09/08/96
3269000	Benningt	Eugenia	Cortland	MF	7017E	8/92												09/23/92	09/23/95
3270000	Benningt	Cortland	Ellert	MF	7017E	7/92												09/23/92	09/23/95
3271000	Benningt	Ellert	Newman	MF	7017E	7/92												09/23/92	09/23/95
3272000	Benningt	Newman	Highland	MF	7017E	7/92												09/23/92	09/23/95
3277000	Benton	End	Genebern	MF	BSSR													07/20/93	07/20/96
3278000	Benton	Genebern	College	MF	BSSR													07/19/93	07/19/96
3279000	Benton	College	Justin	MF	BSSR			8/93			8/93		8/93	8/93					
3327000	Berry	7thSt	DeHaro	MF	BSSR		GP/93	3/93	8/92	9/91	9/91	11/92	9/91	8/91					
3340000	Beulah	Shrader	Stanyan	MF	BSSR													09/24/92	09/24/95

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PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
3342000	Beverly	19thAve	Shields	MF	7260E		10/92	6/92	10/91	9/91	9/91	11/92	9/91	8/91			11/92		
3343000	Beverly	Shields	Garfield	mf	BSSR	10/92										Slurry1991		10/22/92	10/22/95
3344000	Beverly	Garfield	Holloway	mf	BSSR	10/92												10/23/92	10/23/95
3348000	Birch	Octavia	Laguna	MF	BSSR		6/93	6/92	2/92	1/92	7/92	9/93	3/92	5/92		Slurry1991	9/93		
3361000	Blake	Anza	Geary	MF	BSSR		3/86	2/86	3/86		6/86		8/93	8/93					
3369000	Blanken	Bayshore	Tunnel	MF	BSSR													11/22/91	11/22/94
3371000	Blanken	Tunnel	Wheeler	MF	BSSR													06/27/91	06/27/94
3380000	Bluxome	4thSt	5thSt	RE	....E		1/93		2/93	3/93	4/93	2/93	8/93	8/93					
3381000	Bluxome	5thSt	6thSt	RE	....E		1/93		2/93	3/93	4/93	9/91	9/91	8/91					
3384000	Blytheda	Santos	Brookdal	RE	....E		5/93		3/93	3/93	1/90	9/93	8/93	8/93					
3400000	Bonita	Polk	End	MF	BSSR			8/93			8/93		8/93	8/93					
3410000	Borica:S	Urbano:S	Urbano:N	MF	BSSR		9/86	5/86	3/86		6/86		8/93	8/93		Slurry1990			
3424000	Bosworth	Arlingto	Diamond	OL	BSSR			8/93		7/87	8/93		8/93	8/93					
3429000	Bosworth	Chilton	Burnside	MF	BSSR			8/93			8/93		8/93	8/93					
3432000	Bosworth	OShaughn	End	MF	BSSR			8/93			8/93		8/93	8/93					
3441000	Bowdoin	Hale	Silver	MF	BSSR		3/93	3/92	3/92	1/92	7/92	11/92	3/92	5/92			3/93		
3449000	Bowdoin	Woolsey	Dwight	RE	....E		3/93	12/89	3/93	3/93	1/90	2/93	9/91	8/91			3/93		
3450000	Bowdoin	Dwight	Olmstead	RE	....E		12/92	12/89	3/93	3/93	1/90	2/93	9/91	8/91			3/93		
3457000	Boylston	Sweeney	Hale	OL	BSSR	*U/C*	2/93	3/92	3/86	1/92	6/86	11/92	3/92	5/92			2/93		
3458000	Boylston	Hale	Silver	MF	BSSR		LK	3/92	3/86	1/92	6/86	11/92	3/92	5/92					
3467000	Bradford	Cortland	Mojave	RE	....E		2/93	8/93	2/93	6/94	4/93	2/93	8/93	8/93			6/94		
3470000	Bradford	Start:NO	Tompkins	RE	....E		2/93	8/93	2/93	3/93	4/93	2/93	8/93	8/93			8/93		
3477000	Brannan	Embarcad	1stSt	MF	....E		12/94	8/93		10/89	1/90	10/89	8/93	8/93					
3481000	Brannan	1stSt	2ndSt	MF	....E			8/93			8/93		12/91	8/93					
3484000	Brannan	2ndSt	3rdSt	MF	....E			8/93	3/86	NO	6/86		8/93	8/93					
3485000	Brannan	3rdSt	4thSt	RE	....E			8/93	3/86	NO	6/86		8/93	8/93					
3488000	Brannan	4thSt	5thSt	MF	....E			8/93			8/93		12/91	8/93					
3490000	Brannan	6thSt	7thSt	MF	6691E	9/93	12/92	5/92	3/92	10/89	4/90	11/92	9/91	8/91			12/92		
3497000	Brannan	7thSt	8thSt	MF	6691E	9/93	GP/93	5/92	8/92	10/89	4/90	11/92	9/91	8/91					
3528000	Brentwoo	Valdez	Colon	MF	7260E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
3529000	Brentwoo	Colon	YerbaBue	MF	7260E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
3545000	Bridgevi	Newhall	Topeka	MF	BSSR			8/93			8/93		8/93	8/93					

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3555000	Bright	Grafton	Holloway	mf	7260E		10/92	5/92	10/91	1/92	7/92	11/92	3/92	5/92			11/92		
3565000	Broad	SanJose	Plymouth	MF	BSSR													08/21/90	08/21/93
3566000	Broad	Plymouth	Capitol	MF	BSSR													08/16/90	08/16/93
3567000	Broad	Capitol	Orizaba	MF	BSSR	10/92												10/30/92	10/30/95
3598000	Broadway	VanNess	Franklin	MF	6428E	8/93	2/93	4/86	3/86	JT	2/86	8/93	9/91	8/91					
3599000	Broadway	Franklin	Gough	MF	6428E	9/93	2/93	4/86	3/86	JT	2/86	8/93	9/91	8/91					
3600000	Broadway	Gough	Octavia	MF	6428E	9/93	2/93	4/86	3/86	JT	2/86	8/93	9/91	8/91					
3601000	Broadway	Octavia	Laguna	MF	6428E	9/93	2/93	4/86	3/86	JT	2/86	8/93	9/91	8/91					
3607000	Broadway	Pierce	Scott	MF	BSSR		1/93	5/92	2/92	1/95	7/92	1/92	3/92	5/92			1/95		
3610000	Broadway	Divisade	Broderic	MF	BSSR		1/93	5/92	2/92	1/95	7/92	1/92	3/92	5/92			1/95		
3624000	Broderic	Waller	Haight	MF	7271E		6/93	4/86	3/86	9/91	6/87	11/92	9/91	8/91			6/93		
3626000	Broderic	Page	Oak	RE	....E		GP/95	8/93	2/93	3/93	8/93	7/93	8/93	8/93					
3627000	Broderic	Oak	Fell	MF	7271E		6/93	4/86	3/86	9/91	10/91	11/92	9/91	8/91			6/93		
3667000	Brompton	Chenery	Bosworth	MF	7316E		8/93	6/92	10/91	9/91	9/91	11/92	9/91	8/91			8/93		
3676000	Brookdal	Santos	Blythdal	RE	....E		5/93	8/93	3/93	3/93	1/90	2/93	8/93	8/93			8/93		
3700000	Brumiss	Acton	End	MF	BSSR		11/85	4/86	3/86		6/86	9/93	8/93	8/93					
3702000	Brunswic	Newton	Curtis	MF	BSSR													08/10/92	08/10/95
3703000	Brunswic	Curtis	Pope	MF	BSSR													08/15/90	08/15/93
3704000	Brunswic	Pope	Allison	MF	BSSR													08/14/90	08/14/93
3720000	Brush	Hallam	End	MF	BSSR													07/06/92	07/06/95
3730000	Brussels	Olmstead	Mansell	MF	BSSR			8/93			8/93		8/93	8/93					
3742000	Bryant	Rincon	Sterling	MF	PMMS		1/93	8/93	7/93	7/93	8/93		8/93	8/93					
3771000	Bryant	Division	Alameda	MF	7041E	7/94	12/92	11/88	12/88	10/88	10/88	11/92	9/91	8/91			12/92		
3773000	Bryant	Alameda	16thSt	MF	7041E	7/94	2/93	5/92	8/92	9/91	9/91	9/91	9/91	8/91			2/93		
3774000	Bryant	16thSt	17thSt	MF	7041E	7/94	6/93	5/92	8/92	9/91	9/91	9/91	9/91	8/91			6/93		
3794000	Buchanan	Hermann	Waller	MF	7253E	3/94	6/93		2/93	3/93	4/93		8/93	8/93					
3795000	Buchanan	Waller	Laussat	mf	7253E	3/94	6/93	8/93	4/93		4/93		8/93	8/93					
3796000	Buchanan	Laussat	Haight	mf	7253E	3/94	6/93	8/93	4/93		4/93		8/93	8/93					
3797000	Buchanan	Haight	Page	mf	7253E	3/94	6/93	8/93	2/93	3/93	4/93		8/93	8/93					
3799000	Buchanan	Page	Oak	mf	7253E	3/94	6/93	4/86	2/93	3/93	6/87		8/93	8/93					
3800000	Buchanan	Oak	Hickory	mf	7253E	3/94	6/93	4/86	2/93	3/93	6/87		8/93	8/93					
3801000	Buchanan	Hickory	Fell	mf	7253E	3/94	6/93	8/93	4/93		4/93		8/93	8/93					

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3803000	Buchanan	Fell	Linden	mf	7253E	3/94	6/93	8/93	2/93	3/93	4/93		8/93	8/93					
3803000	Buchanan	Linden	Hayes	mf	7253E	3/94	6/93	8/93	4/93		4/93		8/93	8/93					
3804000	Buchanan	Hayes	Ivy	mf	7253E	3/94	6/93	8/93	4/93		4/93		8/93	8/93					
3805000	Buchanan	Ivy	Grove	mf	7253E	3/94	6/93	8/93	4/93		4/93		8/93	8/93					
3813000	Buchanan	Pine	Californ	RE	....E		2/93	8/93			8/93		8/93	8/93					
3815000	Buchanan	Sacramen	Clay	MF	BSSR		2/93	5/92	2/92	12/95	7/92	1/92	3/92	5/92			12/95		
3822000	Buchanan	Green	Union	MF	BSSR		1/93	5/92	3/86	1/92	4/93	1/92	3/92	5/92			4/93		
3842000	BuenaViE	Duboce	BuenaViT	MF	PMMS		LK	8/93	7/93	7/93	8/93		8/93	8/93					
3843000	BuenaViE	BuenaViT	ParkHill	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
3848000	BuenaViT	BVEast	14thSt	mf	BSSR													09/20/91	09/20/94
3849000	BuenaViT	14thSt	Roosevlt	mf	BSSR													09/20/91	09/20/94
3872000	Burnett	Hopkins	Perego	MF	BSSR													09/14/92	09/14/95
3874000	Burnett	Perego	Parkridg	MF	BSSR													09/14/92	09/14/95
3878000	Burnett	Dawnview	Portola	RE	....E		8/93	8/93	2/93	3/93	10/89	2/93	9/91	8/91			8/93		
3882000	Burnside	Chenery	Paradise	MF	7316E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
3891000	Burrows	Mansfiel	Lagrande	MF	BSSR		9/92	5/92	3/92	1/92	7/92	6/92	6/92	5/92			9/92		
3957000	Byxbee	Sargent	Shields	MF	BSSR											Slurry1991		10/03/91	10/03/94
3958000	Byxbee	Shields	Garfield	MF	BSSR													10/04/91	10/04/94
3959000	Byxbee	Garfield	Holloway	MF	BSSR													06/06/91	06/06/94
3986000	Cabrillo	25thAve	26thAve	MF	BSSR			4/86	3/86		6/86		8/93	8/93					
3987000	Cabrillo	26thAve	27thAve	MF	BSSR		4/86	4/86	3/86		6/86	9/93	8/93	8/93					
3988000	Cabrillo	27thAve	28thAve	MF	BSSR		4/86	4/86	3/86		6/86	9/93	8/93	8/93					
4004000	Cabrillo	45thAve	46thAve	MF	....E		GP/94	8/93	3/93	3/93	4/93	7/93	8/93	8/93		High Priority			
4004500	Cabrillo	46thAve	47thAve	MF	....E		GP/94	8/93	3/93	3/93	4/93	7/93	8/93	8/93		High Priority			
4005000	Cabrillo	47thAve	48thAve	MF	....E		GP/94	8/93	3/93	3/93	4/93	7/93	8/93	8/93		High Priority			
4005500	Cabrillo	48thAve	LaPlaya	MF	....E		2/93	12/93	3/93	3/93	4/93	7/93	8/93	8/93		High Priority	12/93		
4067000	Californ	Divisade	Broderic	MF	BSSR													08/14/91	08/14/94
4068000	Californ	Broderic	Baker	MF	BSSR		1/93	5/92	3/86	6/93	6/87	11/92	9/91	8/91			6/93		
4114000	Californ	32ndAve	End	MF	7319E		1/93	5/92	3/92	1/92	7/92	6/92	3/92	5/92			1/93		
4119000	Cambon	Font	Castelo	MF	7260E		10/92	5/92	10/91	9/91	10/92	11/92	9/91	8/91			11/92		
4117000	Cambon	Castelo	Cardenas	MF	7260E		10/92	5/92	10/91	9/91	10/92	11/92	9/91	8/91			11/92		
4125000	Cambridg	Gladston	Westview	MF	BSSR		GP/94	5/92	3/92	1/92	7/92	11/92	3/92	5/92					

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4151000	Campbell	Gottinge	Somerset	MF	BSSR		12/92	6/92	8/92	1/92	7/92	11/92	3/92	5/92		Slurry1992	12/92		
4154000	Campbell	Alpha	Rutland	MF	BSSR		LK	6/92	8/92	1/92	7/92	5/93	3/92	5/92					
4155000	Campbell	Rutland	Delta	MF	BSSR		LK	6/92	8/92	1/92	7/92	7/93	3/92	5/92					
4188000	Canyon	SouthHil	CityLimi	MF	BSSR		9/92	6/92	2/92	1/92	7/92	11/92	3/92	5/92			11/92		
4202000	Capitol	Farralln	Lobos	MF	7260E		10/92	6/89	6/89	6/89	6/89	11/92	9/91	8/91			11/92		
4208000	Capitol	Grafton	Holloway	MF	BSSR													08/11/92	08/11/95
4227000	Capp	26thSt	Army	MF	BSSR		LK	6/92	3/92	1/92	7/92	1/92	3/92	8/93					
4231000	Capra	Avila	Scott	OL	6001Q	1/90												07/27/90	07/27/93
4250000	Carl	Clayton	Cole	MF	BSSR													05/31/92	05/31/92
4253000	Carl	Stanyan	Willard	MF	BSSR		4/93	8/93	8/93		8/93		8/93	8/93					
4255000	Carl	Hillway	Arguello	MF	BSSR		4/93	8/93	8/93		8/93		8/93	8/93					
4257000	Carmel	Clayton	Belveder	MF	BSSR		7/93	5/92	3/92	1/92	7/92		3/92	5/92					
4261000	Carmelit	End	Waller	MF	BSSR		6/93	5/92	3/86	1/92	6/86		3/92	5/92					
4287000	Carrie	Chenery	Wilder	MF	7316E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
4300000	Carroll	Newhall	Phelps	MF	BSSR		LK	5/92	3/92	9/91	9/91	11/92	9/91	8/91					
4315000	Casa	Avila	Retiro	OL	6001Q	1/90												07/27/90	07/27/93
4345000	Castenad	Montalvo	End:West	mf	BSSR	*U/C*	7/93	8/93	4/93	5/93	4/93	8/93	8/93	8/93			8/93		
4355000	Castillo	Velasco	Geneva	MF	PMMS		5/93	8/93	7/93	7/93	8/93		8/93	8/93					
4357000	CastlMan	Camellia	Mission	MF	BSSR													05/13/93	05/13/96
4371000	Castro	18thSt	19thSt	mf	7252E	4/94	9/92	8/93	2/93	3/93	4/93	2/93	8/93	8/93			8/93		
4372000	Castro	19thSt	20thSt	mf	7252E	4/94	LK	8/93	2/93	3/93	4/93	2/93	8/93	8/93					
4373000	Castro	20thSt	Liberty	RE	....E		8/93	8/93	4/93		8/93		8/93	8/93					
4374000	Castro	Liberty	21stSt	RE	....E		8/93	8/93	4/93		8/93		8/93	8/93					
4375000	Castro	21stSt	Hill	RE	....E		8/93	8/93	4/93		8/93	9/93	8/93	8/93					
4376000	Castro	Hill	22ndSt	mf	7252E	4/94	LK	1/87	2/93	8/95	4/93	9/93	8/93	8/93		**CONFLICT**			
4377000	Castro	22ndSt	Alvarado	mf	7252E	4/94	8/93	1/87	2/93	8/95	4/93	7/93	8/93	8/93		**CONFLICT**	8/95		
4378000	Castro	Alvarado	23rdSt	RE	....E		8/93	8/93	4/93		8/93		8/93	8/93					
4379000	Castro	23rdSt	Elizabet	RE	....E		8/92	8/93	4/93		8/93		8/93	8/93					
4380000	Castro	Elizabet	24thSt	RE	7262E	6/94	8/93	3/90	2/93	3/93	10/89	-	9/91	8/91					
4381000	Castro	24thSt	Jersey	mf	7252E	4/94	8/93	8/93	2/93	3/93	8/93		8/93	8/93					
4382000	Castro	Jersey	25thSt	mf	7252E	4/94	8/93	8/93	2/93	3/93	8/93	7/93	8/93	8/93			8/93		
4383000	Castro	25thSt	Clipper	mf	7252E	4/94	8/93	8/93	2/93	3/93	4/93	7/93	8/93	8/93			8/93		

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4384000	Castro	Clipper	26thSt	mf	7252E	4/94	LK	8/93	2/93	3/93	4/93		8/93	8/93					
4385000	Castro	26thSt	Army	mf	7252E	4/94	8/93	8/93	2/93	3/93	4/93	2/93	8/93	8/93			8/93		
4386000	Castro	Army	27thSt	mf	7252E	4/94	LK	8/93	2/93	3/93	4/93		8/93	8/93					
4389000	Castro	28thSt	Valley	mf	7252E	4/94	8/93	8/93	2/93	3/93	8/93	7/93	8/93	8/93			8/93		
4391000	Castro	Valley	29thSt	mf	7252E	4/94	8/93	8/93	2/93	3/93	4/93	7/93	8/93	8/93			8/93		
4392000	Castro	29thSt	Day	mf	7252E	4/94	8/93	8/93	2/93	3/93	4/93	7/93	8/93	8/93			8/93		
4393000	Castro	Day	30thSt	mf	7252E	4/94	8/93	8/93	2/93	3/93	4/93	7/93	8/93	8/93			8/93		
4412000	Cayuga	SantaRos	SanJuan	MF	BSSR											Slurry1990		05/29/91	05/29/94
4436000	Cayuga	Sickles	Regent	MF	BSSR		11/92	3/93	3/86	1/92	6/86		3/92	5/92					
4438000	Cecilia	Rivera	Santiago	MF	BSSR													05/27/93	05/27/96
4441000	Cedar	Larkin	Polk	MF	PMMS		4/93	8/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
4442000	Cedar	Polk	VanNess	MF	BSSR		LK	5/92	3/86	1/92	6/86		3/92	5/92					
4454000	Central	Waller	Haight	MF	BSSR		6/93	5/92	8/85	10/95	8/85	11/92	3/92	5/92			10/95		
4458000	Central	Fell	Hayes	MF	7271E		6/93	8/93			8/93	9/93	8/93	8/93					
4518000	Charter	Augusta	Silver	MF	BSSR													08/10/93	08/10/96
4526000	Chatanoo	21stSt	22ndSt	MF	7207E	9/94	GP/94	8/93	4/93	12/93	9/91	9/91	9/91	8/91					
4527000	Chatanoo	22ndSt	23rdSt	MF	7207E	9/94	GP/94	3/86	3/86	12/93	6/86	9/91	9/91	8/91					
4528000	Chatanoo	23rdSt	24thSt	MF	7207E	9/94	GP/94	3/86	3/86	12/93	6/86	NO	9/91	8/91					
4529000	Chatanoo	24thSt	Jersey	MF	7207E	9/94	GP/94	8/93	4/93	12/93	9/91	NO	9/91	8/91					
4539000	Chenery	Fairmoun	Charles	MF	BSSR		7/93	5/92	2/92	1/95	7/92		6/92	5/92					
4540000	Chenery	Charles	Miguel	MF	BSSR		7/93	5/92	2/92	1/92	7/92		3/92	5/92					
4558000	Cherry	Sacramen	Clay	MF	BSSR		1/93	3/94	3/92	1/92	7/92	9/93	5/93	5/92	9/96	UGD	9/96		
4566000	Chester	Payson	Palmetto	MF	BSSR		9/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
4567000	Chester	Palmetto	Alemany	MF	7260E		9/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
4569000	Chester	Alemany	Belle	MF	7260E		9/92	5/92	3/86	1/92	6/86	11/92	3/92	5/92			11/92		
4573000	Chestnut	Montgome	Kearny	TR	5994E	7/91												11/01/91	11/01/94
4575000	Chestnut	Kearny	Grant	MF	BSSR		1/93	5/92	8/92	1/92	7/92	6/92	3/92	5/92			1/93		
4578000	Chestnut	Stockton	Powell	RE	....E		1/93	8/93	2/93	1/94	8/93	-	8/93	8/93					
4584000	Chestnut	Leavenwr	Hyde	RE	6261E	2/90												08/03/90	08/03/93
4592000	Chestnut	Octavia	Laguna	mf	BSSR													05/27/91	05/27/94
4631000	Christop	Crestmon	OakPark	RE	....E		8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
4641000	Church	Hermann	Duboce	MF	....E		GP/94	3/86	3/86	1/93	6/86		8/93	8/93					

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4641200	Church	Duboce	Reservoi	MF	....E		6/93	3/86	3/86	1/93	6/86		8/93	8/93					
4641300	Church	Reservoi	14thSt	MF	....E		6/93	3/86	3/86	1/93	6/86	12/92	8/93	8/93			8/93		
4645000	Church	Market	15thSt	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4646000	Church	15thSt	16thSt	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4647000	Church	16thSt	Chula Ln	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4648000	Church	Chula Ln	17thSt	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4649000	Church	17thSt	Dorland	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4650000	Church	Dorland	18thSt	MF	7317E			8/93	9/93	7/95	8/93		8/93	8/93					
4651000	Church	18thSt	Hancock	MF	7317E		GP/96	3/86	9/93	7/95	6/86		8/93	8/93	12/94	UGD			
4652000	Church	Hancock	19thSt	MF	7317E		GP/96	3/86	9/93	1/93	6/86		8/93	8/93	12/94	UGD			
4653000	Church	19thSt	Cumberla	MF	7317E		GP/96	3/86	9/93	1/93	6/86	NO	8/93	8/93	12/94	UGD			
4654000	Church	Cumberla	20thSt	MF	7317E		GP/96	3/86	9/93	1/93	6/86	NO	8/93	8/93	12/94	UGD			
4657000	Church	21st	Hill	MF	BSSR													04/17/91	04/17/94
4658000	Church	Hill	22ndSt	MF	BSSR													04/17/91	04/17/94
4659000	Church	22ndSt	23rdSt	MF	7317E			8/93	9/93	6/94	8/93		8/93	8/93					
4660000	Church	23rdSt	Elizabet	MF	7317E			8/93	9/93	9/93	8/93	9/93	8/93	8/93					
4661000	Church	Elizabet	24thSt	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4662000	Church	24thSt	Jersey	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4663000	Church	Jersey	25thSt	MF	7317E			8/93	9/93	8/95	8/93	NO	8/93	8/93					
4664000	Church	25thSt	Clipper	MF	7317E			8/93	9/93	8/95	8/93		8/93	8/93					
4665000	Church	Clipper	26thSt	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4666000	Church	26thSt	Army	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4667000	Church	Army	27thSt	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4668000	Church	27thSt	Comerfod	MF	7317E			8/93	9/93	9/93	8/93	9/93	8/93	8/93					
4669000	Church	Comerfod	Duncan	MF	7317E			8/93	9/93	9/93	8/93	9/93	8/93	8/93					
4670000	Church	Duncan	28thSt	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4671000	Church	28thSt	Valley	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4672000	Church	Valley	29thSt	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4673000	Church	29thSt	Day	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4674000	Church	Day	30thSt	MF	7317E			8/93	9/93	9/93	8/93		8/93	8/93					
4674000	Church	30thSt	Randall	OL	BSSR		10/92	5/92	8/92	1/92	7/92	7/93	3/92	5/92			7/93		
4678000	Churchil	Broadway	Vallejo	RE	....E		1/93	8/93	2/93	3/93	8/93	-	8/93	8/93					

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4683000	Circular	Diamond	Monterey	CT	CDOT		8/93	10/90	5/91	10/90	1/91	9/91	9/91	8/91		Caltrans	8/93		
4685000	Circular	Monterey	Hearst	CT	CDOT		9/92	10/90	5/91	10/90	1/91	9/91	9/91	8/91		Caltrans	9/92		
4687000	Circular	Hearst	Flood	CT	CDOT		10/92	10/90	5/91	10/90	1/91	9/91	9/91	8/91		Caltrans	10/92		
4690101	Circular	Flood	Staples	CT	CDOT		10/92	10/90	5/91	10/90	1/91	9/91	9/91	8/91		Caltrans	10/92		
4690102	Circular	Staples	Judson	CT	CDOT		10/92	10/90	5/91	10/90	1/91	9/91	9/91	8/91		Caltrans	10/92		
4690103	Circular	Judson	Marston	CT	CDOT		10/92	10/90	5/91	10/90	1/91	9/91	9/91	8/91		Caltrans	10/92		
4690104	Circular	Marston	Havelock	MF	PMMS		10/92	8/93	7/93	7/93	8/93		8/93	8/93					
4710000	CityView	Knollvie	Panorama	RE	....E		6/93	8/93	2/93	3/93	8/93	2/93	8/93	8/93			8/93		
4714000	Clara	4thSt	5thSt	MF	PMMS		2/93	8/93	7/93	7/93	8/93		8/93	8/93					
4718000	Claremon	Kensingt	Granvill	MF	7045E	8/92												07/29/92	07/29/95
4719000	Claremon	Granvill	Allston	MF	7045E	8/92												07/29/92	07/29/95
4720000	Claremon	Allston	Dorchest	MF	7045E	8/92												07/29/92	07/29/95
4721000	Claremon	Dorchest	Ulloa	MF	7045E	8/92												07/29/92	07/29/95
4722000	Claremon	Ulloa	Portola	AW	6666E	3/93	8/93	6/92	3/92	4/92	7/92	11/92	12/93	5/92			12/93		
4726000	Clarendo	TwinPeak	Johnston	mf	6688E	2/94	8/93	6/92	10/91	3/93	9/91	7/91	9/91	8/91			8/93		
4728000	Clarendo	Johnston	Christop	mf	6688E	2/94	8/93	6/92	10/91	3/93	9/91	7/91	9/91	8/91			8/93		
4730000	Clarendo	Christop	Panorama	mf	6688E	2/94	8/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			8/93		
4731000	Clarendo	Panorama	Olympia	MF	6688E	2/94	8/93	6/92	10/91	9/91	9/91	9/91	9/91	5/92			8/93		
4732000	Clarendn	Olympia	LagunaHo	MF	6688E	2/94	8/93	6/92	8/85	9/91	8/85	9/91	9/91	8/91			8/93		
4734000	Clarion	Mission	Valencia	MF	PMMS		1/93	8/93	7/93	7/93	8/93		8/93	8/93					
4746000	Clay	Kearny	Grant	mf	BSSR		GP/93	5/92	8/92	9/89	2/90	11/92	9/91	8/91					
4750000	Clay	Grant	Stockton	mf	BSSR		GP/93	5/92	8/92	9/89	2/90	-	9/91	8/91					
4759000	Clay	Mason	Taylor	MF	....E		3/86	5/92	3/86		6/86		8/93	8/93					
4760000	Clay	Taylor	Jones	RE	....E		GP/95	8/93	3/93	3/93	8/93	2/93	8/93	8/93					
4763000	Clay	Jones	Leavenwr	MF	BSSR		GP/94	5/92	3/86	4/92	6/86	1/92	3/92	5/92					
4768000	Clay	Polk	VanNess	MF	BSSR		GP/94	5/92	3/86	3/94	6/86	1/92	3/92	5/92					
4769000	Clay	VanNess	Franklin	MF	BSSR		2/93	5/92	3/86	3/95	4/93	1/92	3/92	5/92			3/95		
4774000	Clay	Webster	Fillmore	MF	BSSR		3/93	5/92	3/86	4/92	4/93	1/92	3/92	5/92			4/93		
4776000	Clay	Steiner	Pierce	MF	BSSR													06/05/91	06/05/94
4777000	Clay	Pierce	Scott	MF	BSSR		LK	5/92	3/92	9/92	7/92	1/92	3/92	5/92					
4796000	Clayton	Page	Haight	MF	7271E		6/93	5/92	8/92	4/92	7/92	1/92	3/92	5/92			6/93		
4802000	Clayton	Ashbury	17thSt	MF	7045E	6/92												07/20/92	07/20/95

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4803000	Clayton	17thSt	TwinPeak	MF	7045E	6/92												07/20/92	07/20/95
4804000	Clayton	TwinPeak	Corbett	MF	7045E	6/92												07/20/92	07/20/95
4807000	Clayton	Corbett	Market	MF	7045E	6/92												07/20/92	07/20/95
4868000	Clementi	4thSt	Gallaghe	MF	BSSR		GP/93	5/92	3/92	4/92	7/92	11/92	3/92	5/92					
4874000	Clementi	8thSt	9thSt	MF	BSSR		GP/94	9/90	3/92	10/89	4/90	-	9/91	8/91					
4311000	Carver	BernalHt	Mayflowr	MF	PMMS		6/93	8/93	7/93	7/93	8/93		8/93	8/93					
4878000	Clifford	Roosevel	UpperTer	RE	....E		GP/93	12/93	3/93	3/93	6/86		8/93	8/93	9/93	UGD			
4889000	Clipper	Dolores	Church	MF	7168E	9/93	10/92	3/90	8/92	8/95	10/89	JT	9/91	8/91					
4890000	Clipper	Church	Sanchez	mf	7168E	9/93	10/92	12/88	12/88	12/92	10/88	10/88	9/91	8/91			12/92		
4891000	Clipper	Sanchez	Noe	MF	7168E	9/93	10/92	12/88	12/88	2/88	10/88	3/88	9/91	8/91			10/92		
4892000	Clipper	Noe	Castro	MF	7168E	9/93	8/93	6/89	12/88	2/88	10/88	3/88	9/91	8/91			8/93		
4936000	Cole	Beulah	Frederic	MF	7271E		7/93	8/85	6/85	5/85	6/85	9/91	9/91	8/91			7/93		
4942000	Cole	Rivoli	17thSt	MF	BSSR		7/93	12/85	8/85	8/85	8/85		3/92	5/92					
4943000	Cole	17thSt	Carmel	MF	7271E		7/93	5/92	3/92	1/92	7/92	12/92	3/92	5/92			7/93		
4944000	Cole	Carmel	End	MF	BSSR		7/93	5/92	3/86	1/92	6/86		3/92	5/92					
4951000	Coleridg	Fair	Esmerald	RE	....E		8/93	9/89	2/93	3/93	10/89		9/91	8/91					
4974000	Collingw	Market	18thSt	MF	BSSR		LK	9/90	3/92	10/89	10/89	-	9/91	8/91					
4988000	Colon	Montecit	Monterey	MF	BSSR		9/92	5/92	3/92	1/92	7/92	9/93	3/92	5/92			9/93		
4989000	Colon	Monterey	Mangels	MF	7260E		9/92	5/92	3/86	1/92	6/86	11/92	3/92	5/92			11/92		
4990000	Colon	Mangels	Brentwoo	MF	7260E		8/93	5/92	2/92	1/92	7/92	11/92	3/92	5/92			8/93		
4995000	Colton	Brady	Gough	MF	PMMS		11/92	8/93	7/93	7/93	8/93		8/93	8/93					
5033000	Commerci	Sansome	Leidesdo	RE	DCP	4/93	3/93	8/93	5/93	4/93	8/93		5/93	8/93					
5034000	Commerci	Leidesdo	Montgome	RE	DCP	4/93	3/93	8/93	5/93	4/93	8/93		5/93	8/93					
5061000	Congo	Flood	Hearst	MF	BSSR													04/18/91	04/18/94
5085000	Conrad	Diamond	Arbor	MF	BSSR													07/16/93	07/16/96
5100000	Cook	End	Geary	MF	BSSR		4/93	5/92	3/86	8/94	6/86		3/92	5/92					
5118000	Corbett	Ord	Hattie	MF	7271E		8/93	5/92	6/85	5/85	6/85	11/92	3/92	5/92			8/93		
5122000	Corbett	Mars	Clayton	MF	7271E		8/93	5/92	5/92	1/92	7/92	1/92	3/92	5/92			8/93		
5123000	Corbett	Clayton	IronLn	MF	PMMS		LK	8/93	7/93	7/93	8/93		8/93	8/93					
5135000	Cordelia	Pacific	Broadway	MF	PMMS		1/93	8/93	7/93	7/93	8/93		8/93	8/93					
5221000	Cotter	Cayuga	SanJose	mf	BSSR		9/92	8/93			8/93		8/93	8/93					
5243000	Cragmont	Quintara	Rockridg	MF	BSSR													09/09/92	09/09/95

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5255000	Craut	Trumbull	Ney	MF	BSSR													01/11/93	01/11/96
5256000	Craut	Ney	Maynard	MF	BSSR													01/12/93	01/12/96
5261000	Crescent	Agnon	Arnold	MF	7017E	8/92												09/20/92	09/20/95
5263000	Crescent	Arnold	Roscoe		7017E	8/92												09/20/92	09/20/95
5264000	Crescent	Roscoe	Porter	MF	7017E	8/92												09/20/92	09/20/95
5265000	Crescent	Porter	Bache	MF	7017E	8/92												09/20/92	09/20/95
5266000	Crescent	Bache	Andover	MF	7017E	8/92												09/20/92	09/20/95
5297000	Crestlak	Paraiso	Goleta	MF	BSSR		5/93	8/93	8/93		8/93		8/93	8/93					
5351000	Cuninghm	Valencia	St:West	MF	PMMS		7/93	8/93	7/93	7/93	8/93		8/93	8/93					
5377000	Cyrus PL	BrodwyTn	St:South	MF	PMMS		GP/93	8/93	7/93	7/93	8/93		8/93	8/93					
5390000	Dalewood	#100	#250	RE	....E		LK	8/93	3/93	3/93	8/93	2/93	8/93	8/93					
5392000	Danton	Cayuga	Still	MF	BSSR													08/20/93	08/20/96
5426000	Davis	Californ	Sacramen	MF	7318E		2/93	6/92	8/92	1/92	7/92	6/92	3/92	5/92			2/93		
5428000	Davis	Clay	Washingt	RE			2/93	2/91	3/92	8/90	1/91	9/90	9/91	8/91			2/93		
5432000	Davis	Broadway	Vallejo	MF	BSSR		GP/93	3/93	8/92	12/93	1/90	11/92	9/91	8/91					
5446000	Day	Dolores	Church	MF	BSSR		10/92	5/92	8/92	8/95	9/91	7/91	9/91	8/91			8/95		
5496000	Dearborn	17thSt	Bird	MF	BSSR													11/25/91	11/25/94
5455000	DeHaro	Division	Alameda	MF	7042E	8/92												11/30/92	11/30/95
5457000	DeHaro	Alameda	15thSt	MF	7042E	8/92												11/30/92	11/30/95
5458000	DeHaro	15thSt	16thSt	MF	7042E	8/92												11/30/92	11/30/95
5459000	DeHaro	16thSt	17thSt	MF	7042E	8/92												11/30/92	11/30/95
5460000	DeHaro	17thSt	Mariposa	MF	7042E	8/92												11/30/92	11/30/95
5461000	DeHaro	Mariposa	18thSt	MF	7042E	8/92												11/30/92	11/30/95
5462000	DeHaro	18thSt	19thSt	RE	7042E	8/92												11/30/92	11/30/95
5463000	DeHaro	19thSt	20thSt	RE	....E		9/92	8/93			8/93	3/93	8/93	8/93					
5464000	DeHaro	20thSt	SouthrnH	RE	7042E	8/92												11/30/92	11/30/95
5465000	DeHaro	SouthrHt	22ndSt	MF	BSSR													05/06/91	05/06/94
5466000	DeHaro	22ndSt	23rdSt	mf	7042E	8/92												11/30/92	11/30/95
5467000	DeHaro	23rdSt	24thSt	MF	7042E	8/92												11/30/92	11/30/95
5512000	DelVale	Evelyn	Encline	RE	7316E		6/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
5513000	Delvale	Encline	OShaugne	MF	7316E		6/93	5/92	3/92	7/93	7/92	11/92	3/92	5/92			7/93		
5468000	Delmar	Waller	Frederic	mf	BSSR		6/93	5/92	8/92	10/93	7/92	8/92	6/92	5/92			10/93		

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							PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:			
5469000	Delmar	Frederic	Piedmont	mf	7271E		8/93	5/92	8/92	5/92	7/92	8/92	6/92	5/92			8/93		
5551000	Delta	Hamilton	Harkness	MF	BSSR													08/04/93	08/04/96
5552000	Delta	Harkness	Wilde	MF	BSSR													08/09/93	08/09/96
5487000	DeMontfo	Capitol	Faxon	MF	BSSR													05/30/91	05/30/94
5488000	DeMontfo	Faxon	Jules	MF	BSSR													07/19/90	07/19/93
5489000	DeMontfr	Jules	Ashton	OL	BSSR													07/19/90	07/19/93
5575000	Derby	Mason	End	MF	BSSR		4/93	6/92	2/92	1/92	7/92		3/92	5/92					
5577000	Derby	End	Taylor	MF	BSSR		4/93	6/92	3/86	1/92	6/86		3/92	5/92					
5589000	Detroit	Joost	Mangels	RE	....E		8/93	8/93	3/93	3/94	4/93	2/93	8/93	8/93			3/94		
5594000	Devonshi	OakPark	Crestmon	RE	....E		8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
5615000	Diamond	Market	18thSt	MF	7271E		9/92	5/92	3/92	1/92	7/92	1/92	3/92	5/92			9/92		
5616000	Diamond	18thSt	19thSt	MF	7271E		9/92	5/92	3/92	1/92	7/92	1/92	3/92	5/92			9/92		
5623000	Diamond	Elizbeth	24thSt	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
5628000	Diamond	26thSt	Army	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
5629000	Diamond	Army	27thSt	MF	BSSR		GP/94	6/92	8/92	6/87	7/92	7/93	3/92	5/92					
5631000	Diamond	Duncan	28thSt	MF	7316E		8/93	8/93			8/93		8/93	8/93					
5632000	Diamond	28thSt	Valley	MF	7316E		8/93	8/93			8/93		8/93	8/93					
5636000	Diamond	Beacon	DiamdHts	OL	BSSR	*U/C*	8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93		High Priority	8/93		
5640000	Diamond	Conrad	Moreland	OL	BSSR	*U/C*	8/93	6/92	8/92	1/92	7/92	7/93	3/92	5/92			8/93		
5649000	Diamond	Chenery	Wilder	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
5650000	Diamond	Wilder	Kern	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
5651000	Diamond	Kern	Bosworth	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
5665000	Divisade	14thSt	Duboce	MF	7271E		LK	8/93			8/93		8/93	8/93					
5702000	Divisade	Bay	NorthPoi				4/93	2/91	10/91	2/91	4/91	9/91	6/92	3/91			4/93		
5708000	Division	DeHaro	8thSt	MF	BSSR													08/08/91	08/08/94
5714000	Division	8thSt	9thSt	MF	BSSR													08/12/91	08/12/94
5720000	Division	9thSt	10thSt	MF	BSSR		12/92	5/92	3/86	11/95	6/86	11/92	3/92	5/92			11/95		
5721000	Division	10thSt	11thSt	MF	BSSR		12/92	5/92	3/86	11/95	6/86	11/92	3/92	5/92			11/95		
5734000	Dolores	Market	14thSt	MF	BSSR													10/28/91	10/28/94
5737000	Dolores	14thSt	15thSt	MF	BSSR													10/30/91	10/30/94
5739000	Dolores	15thSt	16thSt	MF	6321E	4/91												07/15/91	07/15/94
5741000	Dolores	16thSt	17thSt	mf	6321E	4/91												07/15/91	07/15/94

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5743000	Dolores	17thSt	Dorland	mf	6321E	4/91												07/15/91	07/15/94
5744000	Dolores	Dorland	18thSt	MF	6321E	4/91												07/15/91	07/15/94
5745000	Dolores	18thSt	19thSt	MF	6321E	4/91												07/15/91	07/15/94
5746000	Dolores	19thSt	20thSt	MF	6321E	4/91												07/15/91	07/15/94
5748000	Dolores	20thSt	Liberty	MF	6321E	4/91												07/15/91	07/15/94
5749000	Dolores	Liberty	21stSt	MF	6321E	4/91												07/15/91	07/15/94
5750000	Dolores	21stSt	22ndSt	MF	6321E	4/91												07/15/91	07/15/94
5751000	Dolores	22ndSt	23rdSt	MF	6321E	4/91												07/15/91	07/15/94
5752000	Dolores	23rdSt	24thSt	MF	6321E	4/91												07/15/91	07/15/94
5754000	Dolores	24thSt	25thSt	MF	6321E	4/91												07/15/91	07/15/94
5755000	Dolores	25thSt	26thSt	MF	7317E	9/94	LK	12/88	9/93	8/95	6/86	7/93	9/91	8/91		**CONFLICT**			
5757000	Dolores	26thSt	Army	MF	7317E	9/94	LK	12/88	9/93	8/95	6/86	7/93	9/91	8/91		**CONFLICT**			
5758000	Dolores	Army	27thSt	MF	7317E	9/94	LK	12/88	9/93	8/95	4/88	7/93	9/91	8/91		**CONFLICT**			
5759000	Dolores	27thSt	Duncan	MF	7317E	9/94	LK	12/88	9/93	8/95	4/88	7/93	9/91	8/91		**CONFLICT**			
5760000	Dolores	Duncan	28thSt	MF	7317E	9/94	LK	5/88	9/93	8/95	4/88	-	9/91	8/91		**CONFLICT**			
5762000	Dolores	28thSt	Valley	MF	7317E	9/94	LK	5/88	9/93	8/95	4/88	-	9/91	8/91		**CONFLICT**			
5762000	Dolores	Valley	29thSt	MF	7317E	9/94	LK	12/88	9/93	8/95	8/88	-	9/91	8/91		**CONFLICT**			
5763000	Dolores	29thSt	Day	MF	7317E	9/94	LK	12/88	9/93	8/95	8/88	-	9/91	8/91		**CONFLICT**			
5764000	Dolores	Day	30thSt	MF	7317E	9/94	LK	11/88	9/93	8/95	4/88	-	9/91	8/91		**CONFLICT**			
5765000	Dolores	30thSt	SanJose	MF	7317E	9/94	LK	5/88	9/93	8/95	4/88	-	9/91	8/91		**CONFLICT**			
5799000	Dorchest	Portola	Ulloa	MF	BSSR		8/92	5/92	3/86	1/92	6/86		3/92	5/92					
5814000	Dorland	Church	Sanchez	mf	BSSR													07/16/93	07/20/96
5823000	Douglass	Market	17thSt	MF	BSSR													09/15/92	09/15/95
5828000	Douglass	Carson	Seward	mf	BSSR		8/93	8/93	3/93	4/93	8/93	9/93	8/93	8/93		High Priority	9/93		
5829000	Douglass	Seward	20thSt	mf	BSSR		8/93	8/93	3/93	4/93	8/93	9/93	8/93	8/93		High Priority	9/93		
5835000	Douglass	23rdSt	Elizabet	MF	BSSR							9/93							
5837000	Douglass	24thSt	Jersey	MF	BSSR														
5838000	Douglass	Jersey	25thSt	MF	BSSR		5/86	8/85	6/85	5/85	4/85								
5840000	Douglass	Clipper	26thSt	MF	BSSR														
5841000	Douglass	26thSt	Army	RE	....E														
5842000	Douglass	Army	27thSt	RE	....E		8/93	3/90	2/93	3/93	10/89	2/93	9/91	8/91			8/93		
5843000	Douglass	27thSt	Duncan	RE	....E		8/93	3/90	2/93	3/93	10/89	2/93	9/91	8/91			8/93		

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5869000	Dublin	Persia	Russia	MF	BSSR		LK	3/93	3/92	1/92	7/92	11/92	3/92	5/92					
5882000	Duboce	Webster	Church	MF	7271E		6/93	5/92	8/92	10/89	1/90	11/92	3/92	5/92			6/93		
5891000	Duboce	Castro	Divisade	RE	7254E		6/93	8/93	3/93	3/93	4/93	7/93	9/91	8/91			8/93		
5892000	Duboce	Divisade	Alpine	RE	....E		6/93	8/93	12/94	3/93	8/93	-	8/93	8/93					
5893000	Duboce	Alpine	BuenaVis	RE	....E		6/93	8/93	2/93	3/93	8/93	-	8/93	8/93					
5898000	Duncan	SanJose	Guerrero	MF	BSSR		8/93											08/19/93	08/19/96
5901000	Duncan	Church	Sanchez	MF	7316E		10/92	5/92	3/92	1/92	7/92	1/92	3/92	5/92			10/92		
5908000	Duncan	Douglass	DiamondH	MF	7316E		LK	5/92	5/92	1/92	7/92	1/92	3/92	5/92					
5923000	Dwight	SanBruno	Girard	MF	BSSR		GP/94	5/92	10/89	7/89	1/90	11/92	9/91	8/91					
5924000	Dwight	Girard	Brussels	MF	BSSR		GP/94	5/92	8/92	1/92	7/92	11/92	3/92	5/92					
5925000	Dwight	Brussels	Goetting	RE	....E		2/93	3/90	2/93	3/93	1/90	2/93	9/91	8/91			3/93		
5928000	Dwight	Hamilton	Bowdoin	MF	BSSR		GP/94	5/92	3/92	1/92	7/92	1/92	3/92	5/92					
5936000	Eagle	Yukon	Mono	MF	7271E		8/93	5/92	8/92	1/92	7/92	6/92	3/92	5/92			8/93		
5962000	Ecker	Jessie	Stevenso	re	DCP	4/93	2/93	8/93	5/93	4/93	8/93		5/93	8/93					
5965000	Ecker	Elim	Mission	re	DCP	4/93	2/93	8/93	5/93	4/93	8/93		5/93	8/93					
5979000	Eddy	VanNess	Franklin	MF	BSSR	10/92												11/06/92	11/06/95
5980000	Eddy	Franklin	Gough	MF	BSSR	10/92												11/09/92	11/09/95
5996000	Edgar	End	Bruce	MF	BSSR		10/92	5/92	3/86	1/92	6/86		3/92	5/92					
6044000	Egbert	Hawes	Ingalls	MF	BSSR		GP/94	5/92	3/86	9/91	6/86	7/91	9/91	8/91					
6083000	Elizabet	Vicksbur	Church	MF	BSSR		8/93	5/92	8/92	1/92	7/92	7/93	3/92	5/92			8/93		
6085000	Elizabet	Church	Sanchez	MF	BSSR		LK	5/92	8/92	8/95	7/92		3/92	5/92					
6090000	Elizabet	Douglass	Hoffman	MF	BSSR		GP/94	5/92	12/86	6/87	10/87	9/93	3/92	5/92					
6097000	Ellert	Bocana	Benningt	MF	BSSR		LK	5/92	8/92	10/89	10/89	-	9/91	8/91					
6098000	Ellert	Benningt	Andover	MF	BSSR		LK	5/92	3/86	1/92	6/86	7/93	3/92	5/92					
6150000	Ellswort	Jarboe	Tompkins	mf	7017E	8/92												09/10/92	09/10/95
6151000	Ellswort	Tompkins	Ogden	mf	7017E	8/92												09/10/92	09/10/95
6152000	Ellswort	Ogden	Crescent	mf	7017E	8/92												09/10/92	09/10/95
6153000	Ellswort	Crescent	Alemany	MF	7017E	8/92												09/10/92	09/10/95
6155000	Elm	Polk	VanNess	MF	PMMS		GP/93	8/93	7/93	7/93	8/93		8/93	8/93					
6167000	Elmira	Shafter	Helena	MF	BSSR													08/09/93	08/09/96
6170000	Elmira	Augusta	Silver	MF	BSSR													08/09/93	08/09/96
6174000	ElMiraso	Sloat	Crestlak	MF	BSSR		5/93	3/86	3/86	1/92	6/86		3/92	5/92					

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6179000	Elsie	Coso	Esmerald	RE	7254E	12/93	8/93		3/93	3/93	10/89	2/93	9/91	8/91					
6182000	Elsie	Eugenia	Cortland	MF	BSSR		LK	7/90	8/92	1/95	10/89	-	9/91	8/91					
6069000	ElVerano	Fernwood	StElmo	MF	7260E		8/93	2/86	8/85	8/85	8/85	11/92	3/92	5/92			8/93		
6206000	Embarcad	NorthPoi	Bay	re	6659E	6/93	GP/93	12/91	1/92	JT	1/91	1/92	9/91	5/95					
6202000	Embarcad	Bay	Chestnut	re	6659E	6/93	GP/93	12/91	1/92	JT	1/91	1/92	9/91	5/95					
6201000	Embarcad	Chestnut	Lombard	re	6659E	6/93	GP/93	12/91	1/92	JT	1/91	1/92	9/91	5/95					
6200000	Embarcad	Lombard	Filbert	re	6659E	6/93	GP/93	12/91	1/92	JT	1/91	1/92	9/91	5/95					
6198100	Embarcad	Filbert	Green	re	6659E	6/93	GP/93	12/91	1/92	JT	1/91	1/92	9/91	5/95					
6196000	Embarcad	Green	Vallejo	re	6659E	6/93	GP/93	12/91	1/92	JT	1/91	1/92	9/91	5/95					
6195000	Embarcad	Vallejo	Broadway	re	6659E	6/93	GP/93	12/91	1/92	JT	1/91	1/92	9/91	5/95					
6228000	Embarcad	Mission	Howard	re	M501	4/93	GP/93	12/91	3/92	JT	1/91	JT	9/91	5/95					
6213000	Embarcad	Howard	Folsom	re	M501	4/93	GP/93	12/91	3/92	JT	1/91	JT	9/91	5/95					
6231000	Embarcad	Folsom	Harrison	re	6658E	11/92	GP/93	12/91	3/92	JT	1/91	JT	9/91	5/95					
6232000	Embarcad	Harrison	Bryant	re	6658E	11/92	GP/93	12/91	3/92	JT	1/91	JT	9/91	5/95					
6235000	Embarcad	Bryant	Brannan	re	6658E	11/92	GP/93	12/91	3/92	JT	1/91	JT	9/91	5/95					
6237000	Embarcad	Brannan	Townsend	re	6658E	11/92	GP/93	12/91	3/92	JT	1/91	JT	9/91	5/95					
6238000	Embarcad	Townsend	1stSt	re	6658E	11/92	GP/93	12/91	3/92	JT	1/91	JT	9/91	5/95					
6239000	Embarcad	1stSt	King	re	6658E	11/92	GP/93	12/91	3/92	JT	1/91	JT	9/91	5/95					
6263000	Entrada	Borica	Loop	MF	BSSR		9/89	4/90		10/89	10/89	10/89							
6284000	Esmerald	Coleridg	LundysLn	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
6360000	Eugenia	Andover	Moultrie	MF	BSSR		7/93	5/92	8/92	1/92	7/92		3/92	5/92					
6370000	Eureka	17thSt	Market	MF	7271E		9/92	5/92	3/92	1/92	7/92	1/92	3/92	5/92			9/92		
6388000	Evans	Newhall	3rdSt	MF	BSSR													12/14/92	12/14/95
6404000	Evelyn	Portola	Juanita	MF	7316E		6/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			6/93		
6433000	Excelsio	Vienna	Athens	MF	BSSR		GP/94	5/92	3/92	1/92	7/92		3/92	5/92					
6476000	Fairmoun	Chenery	Whitney	MF	BSSR		LK	5/92	2/92	1/95	7/92	NO	3/92	5/92					
6453000	Fairoaks	22ndSt	23rdSt	MF	BSSR			8/85	1/85	10/85	12/84								
6454000	Fairoaks	23rdSt	24thSt	MF	BSSR			3/86	1/85	10/85	12/84								
6489000	Faith	Brewster	Holladay	RE	....E		4/93	8/93	3/93	3/93	8/93	7/93	5/93	8/93		High Priority	8/93		
6517000	Faxon	Lakeview	Grafton	MF	BSSR		10/92	5/92	3/86	4/92	2/86		3/92	5/92					
6534000	Fell	VanNess	Franklin	MF	PMMS		11/92	8/93	7/93	8/94	8/93		8/93	8/93					
6535000	Fell	Franklin	Gough	MF	PMMS		11/92	8/93	7/93	3/95	8/93		8/93	8/93					

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6536000	Fell	Gough	Octavia	MF	PMMS		11/92	12/93	7/93	3/95	8/93		8/93	8/93					
6551000	Fell	Masonic	Ashbury	MF	PMMS		6/93	8/93	7/93	7/93	8/93		8/93	8/93					
6552000	Fell	Ashbury	Clayton	MF	PMMS		6/93	8/93	7/93	7/93	8/93		8/93	8/93					
6553000	Fell	Clayton	Cole	MF	PMMS		6/93	8/93	7/93	7/93	8/93		8/93	8/93					
6571000	Felton	Universi	Princetn	OL	....E		3/93	8/93	3/93	3/93	8/93	7/93	5/93	8/93		High Priority	8/93		
6572000	Felton	Princetn	Amherst	OL	....E		3/93	8/93	3/93	3/93	4/93	7/93	5/93	8/93		High Priority	8/93		
6573000	Felton	Amherst	Yale	OL	....E		3/93	8/93	3/93	3/93	4/93	7/93	5/93	8/93		High Priority	8/93		
6574000	Felton	Yale	Cambridg	MF	....E		3/93	8/93	3/93	3/93	4/93		8/93	8/93		High Priority			
6575000	Felton	Cambridg	Oxford	MF	....E		3/93	8/93	3/93	3/93	4/93	2/93	8/93	8/93		High Priority	8/93		
6576000	Felton	Oxford	Harvard	MF	....E		3/93	8/93	3/93	3/93	4/93		8/93	8/93		High Priority			
6577000	Felton	Harvard	Gambier	RE	7146E	10/93	3/93	3/90	3/93	3/93	1/90	11/92	9/91	8/91			3/93		
6578000	Felton	Gambier	Madison	mf	BSSR	*U/C*	3/93	8/93	3/93	3/93	4/93	2/93	8/93	8/93		High Priority	8/93		
6579000	Felton	Madison	Peru	mf	BSSR	*U/C*	3/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93		High Priority	8/93		
6585000	Fern	Larkin	Polk	MF	PMMS		2/93	8/93	7/93	7/93	8/93		8/93	8/93					
6586000	Fern	Polk	VanNess	MF	7318E		LK	8/93			8/93	7/93	8/93	8/93					
6610000	Filbert	Genoa Pl	Varennes	RE	....E		GP/94	8/93	3/93	3/93	8/93	2/93	8/93	8/93					
6611000	Filbert	Varenne	Harwood	RE	....E		GP/94	8/93	2/93	3/93	8/93	2/93	8/93	8/93					
6612000	Filbert	Harwood	Grant	RE	....E		GP/94	8/93	3/93	3/93	8/93	2/93	8/93	8/93					
6621000	Filbert	Mason	Taylor	MF	BSSR		GP/92	8/93	10/91	2/94	9/91	7/91	9/91	8/91					
6627000	Filbert	Leavenwr	Hyde	RE	....E		1/93	8/93	3/93	3/93	4/93	2/93	8/93	8/93			8/93		
6628000	Filbert	Hyde	Larkin	MF	7318E		1/93	5/92	10/91	9/91	9/91	7/91	9/91	8/91			1/93		
6630000	Filbert	Polk	VanNess	RE	6261E	10/89												08/03/90	08/03/93
6647000	Fillmore	Duboce	Hermann	MF	6537E	10/91												04/14/92	04/14/95
6649000	Fillmore	Hermann	Waller	MF	6537E	10/91												04/14/92	04/14/95
6651000	Fillmore	Waller	Haight	MF	6537E	10/91												04/14/92	04/14/95
6652000	Fillmore	Haight	Page	MF	6537E	10/91												04/14/92	04/14/95
6653000	Fillmore	Page	Oak	MF	6537E	10/91												04/14/92	04/14/95
6654000	Fillmore	Oak	Fell	MF	6537E	10/91												04/14/92	04/14/95
6655000	Fillmore	Fell	Hayes	MF	6537E	10/91												04/14/92	04/14/95
6656000	Fillmore	Hayes	Grove	MF	6537E	10/91												04/14/92	04/14/95
6657000	Fillmore	Grove	Fulton	MF	6537E	10/91												04/14/92	04/14/95
6658000	Fillmore	Fulton	McAllist	MF	6537E	10/91												04/14/92	04/14/95

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PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
6659000	Fillmore	McAllist	GoldenGa	MF	6537E	10/91												04/14/92	04/14/95
6660000	Fillmore	GoldenGa	Turk	MF	6537E	10/91												04/14/92	04/14/95
6661000	Fillmore	Turk	Eddy	MF	6537E	10/91												04/14/92	04/14/95
6662000	Fillmore	Eddy	Ellis	MF	6537E	10/91												04/14/92	04/14/95
6663000	Fillmore	Ellis	OFarrell	MF	6537E	10/91												04/14/92	04/14/95
6664000	Fillmore	OFarrell	Geary	MF	6537E	10/91												04/14/92	04/14/95
6672000	Fillmore	Sacramen	Clay	MF	BSSR		3/93	6/92	3/92	12/94	7/92		3/92	5/92					
6677000	Fillmore	Broadway	Vallejo	RE	....E		GP/95	8/93	3/93	1/95	8/93	-	8/93	8/93					
6688000	Fillmore	Bay	NorthPoi	RE	6001Q	1/90												07/27/90	07/27/93
6691000	Fillmore	Jefferso	Marina	OL	6001Q	1/90												07/27/90	07/27/93
6732000	Flint	16thSt	End	MF	BSSR													08/04/92	08/04/95
6734000	Flood	Circular	Congo	MF	BSSR													05/20/93	05/20/96
6735000	Flood	Congo	Detroit	MF	BSSR													04/09/92	04/09/95
6736000	Flood	Detroit	Edna	mf	BSSR													04/10/92	04/10/95
6739000	Flood	Gennesse	Phelan	MF	BSSR													04/30/91	04/30/94
6752000	Florida	Treat	Alameda	MF	....E		2/93	8/93	7/93	7/93	8/93		8/93	8/93					
6753000	Florida	Alameda	15thSt	MF	....E		2/93	8/93	7/93	7/93	8/93		8/93	8/93					
6755000	Florida	16thSt	17thSt	MF	....E														
6756000	Florida	17thSt	Mariposa	MF	....E			4/86	3/86		6/86								
6759000	Florida	19thSt	20thSt	MF	....E							9/93							
6761000	Florida	20thSt	21stSt	MF	....E														
6763000	Florida	22ndSt	23rdSt	MF	....E														
6764000	Florida	23rdSt	24thSt	MF	....E														
6765000	Florida	24thSt	25thSt	MF	....E														
6767000	Florida	26thSt	Army	MF	....E														
6785000	Foerster	Monterey	Joost	MF	7316E		LK	5/92	7/90	9/89	10/89	11/92	9/91	8/91					
6786000	Foerster	Joost	Mangels	MF	7316E		9/92	5/92	7/90	9/89	10/89	11/92	9/91	8/91			11/92		
6861000	Folsom	Eugenia	Cortland	MF	BSSR														
6863000	Folsom	Cortland	Jarboe	MF	BSSR		2/87												
6865000	Folsom	Tompkins	Ogden	MF	BSSR													11/18/91	11/18/94
6866000	Folsom	Ogden	Crescent	MF	BSSR													11/20/91	11/20/94
6899000	Foote	Cayuga	End	MF	BSSR		LK	3/93	3/92	4/92	7/92	7/93	3/92	5/92		Slurry1991			

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6916000	Fountain	24thSt	25thSt	MF	BSSR		LK	5/92	3/86	4/92	6/86	7/93	3/92	5/92					
6934000	Francis	Mission	Alemany	MF	PMMS		9/92	8/93	7/93	7/93	8/93	9/93	8/93	8/93			9/93		
6942000	Francisc	Grant	Stockton	MF	7318E		1/93	5/92	8/92	9/91	3/93	7/91	9/91	8/91			3/93		
6945000	Francisc	Powell	Mason	TR	5994E	7/91												11/01/91	11/01/94
6946000	Francisc	Mason	Taylor	MF	7318E		1/93	5/92	10/91	9/91	7/92	7/91	9/91	8/91			1/93		
7000000	Franklin	GoldenGa	Turk	MF	6509E	6/91												12/04/91	12/04/94
7003000	Franklin	Turk	Eddy	MF	6509E	6 91												12/04/91	12/04/94
7005000	Franklin	Eddy	Ellis	MF	6509E	6/91												12/04/91	12/04/94
7007000	Franklin	Ellis	OFarrell	MF	6509E	6/91												12/04/91	12/04/94
7009000	Franklin	OFarrell	Geary	MF	6509E	6/91												12/04/91	12/04/94
7010000	Franklin	Geary	Post	MF	6509E	6/91												12/04/91	12/04/94
7012000	Franklin	Post	Sutter	MF	6509E	6/91												12/04/91	12/04/94
7014000	Franklin	Sutter	Bush	MF	6509E	6/91												12/04/91	12/04/94
7016000	Franklin	Bush	Pine	MF	6509E	6/91												12/04/91	12/04/94
7018000	Franklin	Californ	Sacramen	MF	6509E	6/91												12/04/91	12/04/94
7019000	Franklin	Sacramen	Clay	MF	6509E	6/91												12/04/91	12/04/94
7020000	Franklin	Clay	Washingt	MF	6509E	6/91												12/04/91	12/04/94
7021000	Franklin	Washingt	Jackson	MF	6509E	6/91												12/04/91	12/04/94
7022000	Franklin	Jackson	Pacific	MF	6509E	6/91												12/04/91	12/04/94
7023000	Franklin	Pacific	Broadway	MF	....E		GP/96	12/87	3/86	12/87	12/87	3/93	9/91	8/91					
7024000	Franklin	Broadway	Vallejo	MF	....E		GP/94	12/87	3/86	12/87	6/86	3/93	9/91	8/91					
7025000	Franklin	Vallejo	Green	MF	....E		GP/94	12/87	12/87	12/87	12/87	3/93	9/91	8/91					
7026000	Franklin	Green	Union	MF	....E		GP/94	6/89	3/89	3/89	4/89	3/93	9/91	8/91					
7027000	Franklin	Union	Filbert	MF	....E		GP/94	12/87	12/87	12/87	12/87	3/93	9/91	8/91					
7028000	Franklin	Filbert	Greenwic	MF	....E		LK	12/87	12/87	12/87	12/87	3/93	9/91	8/91					
7029000	Franklin	Greenwic	Lombard	MF	....E	1/94	LK	12/87	12/87	12/87	12/87	3/93	9/91	8/91					
7031000	Franklin	Lombard	Chestnut	MF	....E	1/94	4/93	5/88	12/87	2/88	12/88	3/93	9/91	8/91			4/93		
7032000	Franklin	Chestnut	Francisc	MF	BSSR													07/09/92	07/09/95
7041000	Frederic	Ashbury	Downey	MF	7271E		7/93	5/92	2/92	1/92	7/92	1/92	3/92	5/92			7/93		
7047000	Frederic	Stanyan	Willard	mf	BSSR		4/93	5/92	3/92	4/92	7/92	4/92	3/92	5/92			4/93		
7048000	Frederic	Willard	Arguello	mf	BSSR													06/04/93	06/04/96
7060000	Fremont	Market	Mission		PMMS														

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7061000	Fremont	Mission	Howard		PMMS														
7064000	Fremont	Howard	Folsom	OL	PMMS		2/87	2/87	8/85	8/85	8/85								
7070000	Fresno	Kearny	Romolo	MF	PMMS		LK	8/93	7/93	9/94	8/93	NO	8/93	8/93					
7085000	Front	Broadway	Vallejo	mf	....E		GP/93	8/93	4/93	12/93	4/93	12/92	8/93	8/93					
7087000	Front	Vallejo	Green	mf	....E		GP/93	8/93	4/93	12/93	4/93	12/92	8/93	8/93					
7100000	Fulton	Octavia	Laguna	mf	BSSR		GP/94	8/93			8/93		8/93	8/93					
7101000	Fulton	Laguna	Webster		BSSR		5/93	8/93			8/93		8/93	8/93					
7169000	Fulton	46thAve	47thAve		PMMS		NO		3/86	6/87	6/86	3/87							
7170000	Fulton	47thAve	48thAve		PMMS		NO		3/86	6/87	6/86	3/87							
7171000	Fulton	48thAve	LaPlaya		PMMS		NO		3/86	6/87	6/86	3/87							
7172000	Fulton	LaPlaya	GreatHwy		PMMS		NO		3/86	6/87	6/86	3/87							
7180000	Funston	Lake	Californ	MF	BSSR	10/92												10/06/92	10/06/95
7181000	Funston	Californ	Clement	MF	BSSR		3/93	3/86	11/92	10/92	6/86	11/92	4/94	8/91			4/94		
7181010	Funston	Californ	Clement	JT	AWSS	2/93	3/93	8/93	11/92	10/92	4/93	11/92	4/94	8/93			4/94		
7192000	Funston	Kirkham	Lawton	MF	BSSR		4/93	3/86	3/86	1/92	6/86	1/92	3/92	5/92			4/93		
7193000	Funston	Lawton	Aloha	RE	....E		7/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
7194000	Funston	Aloha	Moraga	RE	....E		7/93	8/93	3/93	4/93	4/93	3/93	8/93	8/93			8/93		
7195000	Funston	Moraga	Noriega	RE	....E		7/85	3/86	3/86		6/86								
7197000	Funston	Cascade	Aerial	MF	BSSR		7/93	5/92	10/92	1/92	7/92	1/92	3/92	5/92			7/93		
7221000	Galvez	3rdSt	Phelps	MF	BSSR		GP/94	4/93	8/92	1/92	7/92	1/92	3/92	5/92					
7228000	Gambier	Pioche	Silliman	RE	....E		3/93	8/93	3/93	3/93	8/93		8/93	8/93					
7272000	Gates	Powhatta	Eugenia	MF	PMMS														
7274000	Gates	Cortland	Jarboe	MF	PMMS														
7276000	Gates	Tompkins	Ogden	MF	PMMS		LK			10/89	10/89	10/89	9/91	8/91					
7277000	Gates	Ogden	Crescent	MF	PMMS														
7285000	Gaven	SanBruno	Barnevel	MF	BSSR		3/93	5/92	3/86	1/92	6/86		3/92	5/92					
7286000	Gaven	Barnevel	Merrill	MF	BSSR		LK	5/92	3/86	1/92	6/86	11/92	3/92	5/92					
7287000	Gaven	Merrill	Boylston	MF	BSSR		2/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			2/93		
7290000	Gaviota	BellaVis	Teresita	MF	7316E		9/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
7298000	GearyU/P	Webster	Fillmore	RE	5292E	10/90												01/18/91	01/18/94
7300000	GearyU/P	Fillmore	Steiner	RE	5292E	10/90												01/18/91	10/18/94
7444000	Gennesse	Judson	Staples	MF	PMMS		9/92	8/93	7/93	7/93	8/93		8/93	8/93					

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7448000	Gennesse	Monterey	Joost	MF	BSSR													12/11/91	12/11/94
7449000	Gennesse	Joost	Mangels	RE	....E		9/92	3/90	3/93	3/93	10/89	-	9/91	8/91					
7474000	Gilbert	Bryant	Brannan	MF	BSSR		GP/94	5/93	8/85	8/85	8/85	NO	3/92	5/92					
7475000	Gilbert	Brannan	End	MF	BSSR		GP/94	5/93	3/86	4/92	6/86		3/92	5/92					
7481000	Gilman	HuntrPEx	Fitch	MF	6678E	11/91												05/20/92	05/20/95
7484000	Gilman	Fitch	Griffith	MF	6678E	11/91												05/20/92	05/20/95
7485000	Gilman	Griffith	Hawes	MF	6678E	11/91												05/20/92	05/20/95
7486000	Gilman	Hawes	Ingalls	MF	6678E	11/91												05/20/92	05/20/95
7487000	Gilman	Ingalls	Jennings	MF	6678E	11/91												05/20/92	05/20/95
7488000	Gilman	Jennings	3rdSt	MF	6678E	11/91												05/20/92	05/20/95
7511000	Gladston	Cambridg	Stoneyfo	MF	BSSR		3/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			3/93		
7519000	Glenbroo	StGermai	PaloAlto	RE	7271E		8/93	5/92	3/92	3/93	7/92	11/92	3/92	5/92			8/93		
7539000	Goethe	Delong	SanJose	MF	BSSR		LK	5/92	3/86	1/92	6/86		3/92	5/92					
7551000	Goetting	Mansell	Ordway	RE	....E		12/92	8/93	2/93	3/93	8/93	2/93	8/93	8/93			8/93		
7550000	Goetting	Olmstead	Mansell	MF	BSSR		12/92	5/92	8/92	1/92	7/92	11/92	3/92	5/92			12/92		
7552000	Goetting	Ordway	Ward	MF	BSSR		GP/94	5/92	8/92	1/92	7/92	11/92	3/92	5/92					
7579000	GoldenGa	VanNess	Franklin	MF	CDOT		4/93	8/93			4/93		8/93	8/93					
7563000	GoldMine	Jade Pl	Topaz Wy	MF	7316E		8/93	8/93			8/93		8/93	8/93					
7564000	GoldMine	Topaz Wy	Onique	MF	7316E		8/93	8/93			8/93		8/93	8/93					
7565000	GoldMine	Onique	DiamndHt	MF	7316E		8/93	8/93			8/93		8/93	8/93					
7614000	Gonzalez	Crespi	Cardenas	MF	BSSR													06/01/93	06/01/96
7619000	Gonzalez	Garces	Font	MF	7260E		10/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
7631000	Gorham	Still	Cayuga	RE	....E		9/92	8/93	9/93	3/93	8/93		8/93	8/93					
7634000	Gough	Otis	Market	MF	BSSR		LK	5/92	8/85	8/85	8/85	6/92	3/92	8/94					
7640000	Gough	Haight	Page	MF	6503E	5/91												07/12/91	07/12/94
7642000	Gough	Page	Oak	MF	6503E	5/91												07/12/91	07/12/94
7644000	Gough	Oak	Fell	MF	6503E	5/91												07/12/91	07/12/94
7650000	Gough	Grove	Fulton	MF	6503E	5/91												07/12/91	07/12/94
7652000	Gough	Fulton	McAllist	MF	6503E	5/91												07/12/91	07/12/94
7653000	Gough	McAllist	GoldenGa	MF	6503E	5/91												07/12/91	07/12/94
7655000	Gough	GoldenGa	Turk	MF	6503E	5/91												07/12/91	07/12/94
7656000	Gough	Turk	Eddy	MF	6503E	5/91												07/12/91	07/12/94

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7658000	Gough	Eddy	Ellis	MF	6503E	5/91												07/12/91	07/12/94
7659000	Gough	Ellis	Geary	MF	6503E	5/91												07/12/91	07/12/94
7660000	Gough	Geary	Post	MF	6503E	5/91												07/12/91	07/12/94
7661000	Gough	Post	Sutter	MF	6503E	5/91												07/12/91	07/12/94
7663000	Gough	Sutter	Bush	MF	6503E	5/91												07/12/91	07/12/94
7665000	Gough	Bush	Pine	MF	6503E	5/91												07/12/91	07/12/94
7666000	Gough	Pine	Californ	MF	6503E	5/91												07/12/91	07/12/94
7667000	Gough	Californ	Sacramen	MF	6503E	5/91												07/12/91	07/12/94
7697000	Grafton	Ashton	Orizaba	mf	BSSR													11/15/91	11/15/94
7705000	Grandvw	Market	GrandvwT	RE	....E		8/93	2/86	2/93	3/93	7/85	2/93	8/93	8/93			8/93		
7706000	Grandvw	GviewTr	Romain	RE	....E		8/93	2/86	2/93	3/93	8/85	2/93	8/93	8/93			8/93		
7707000	Grandvw	Romain	21stSt	RE	....E		8/93	8/93	2/93	3/93	6/86	2/93	8/93	8/93			8/93		
7708000	Grandvw	21stSt	Hoffman	mf	BSSR		8/93		2/93	3/93	6/86	2/93				St Repaired			
7709000	Grandvw	Hoffman	Alvarado	RE	7262E	6/94	LK	8/93	2/93	3/93	6/86	2/93	8/93	8/93					
7710000	Grandvw	Alvarado	23rdSt	RE	7262E	6/94	8/93	8/93	3/93	3/93	6/86	2/93	8/93	8/93			8/93		
7711000	Grandvw	23rdSt	Elizabet	RE	7262E	6/94	LK	8/93	3/93	3/93	6/86	2/93	8/93	8/93					
7712000	Grandvw	Elizabet	24thSt	RE	7262E	6/94	8/93	12/88	2/93	3/93	6/86	2/93	9/91	8/91			3/93		
7713000	Grandvw	24thSt	25thSt	mf	7262E	6/94	8/93	12/88	2/93	3/93	6/86	2/93	9/91	8/91		St Repaired	3/93		
7714000	Grandvw	25thSt	Clipper	mf	7262E	6/94	8/93		2/93	3/93	6/86					St Repaired			
7721000	Grant	Geary	Post	MF	7318E		GP/94	1/87	3/86	4/93	6/86	6/87	9/91	8/91					
7722000	Grant	Post	Sutter	MF	....E		GP/94	6/92	1/92	5/94	9/92	9/91	9/91	8/91					
7726000	Grant	Sutter	Harlan	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7727000	Grant	Harlan	Bush	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7728000	Grant	Bush	Pine	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7729000	Grant	Pine	Vinton	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7730000	Grant	Vinton	Californ	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7731000	Grant	Californ	Sacramen	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7732000	Grant	Sacramen	Commerci	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7733000	Grant	Commerci	Clay	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7734000	Grant	Clay	Washingt	JT	....E		GP/94	8/93	JT		8/93	NO	8/93	8/93					
7739000	Grant	Broadway	Columbus	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7735000	Grant	Washingt	Jackson	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					

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7736000	Grant	Jackson	Pacific	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7737000	Grant	Pacific	Broadway	JT	....E		GP/94	8/93	JT		8/93	3/93	8/93	8/93					
7741000	Grant	Broadway	Vallejo	MF	BSSR		GP/95	3/94	12/92	4/94	7/92	1/92	3/92	5/92					
7742000	Grant	Vallejo	Green	MF	BSSR		GP/95	3/94	12/92	4/94	7/92	1/92	3/92	5/92					
7744000	Grant	Green	Union	mf	BSSR		GP/95	8/93	4/93		8/93		8/93	8/93					
7746000	Grant	Filbert	Greenwic	MF	BSSR		GP/95	6/92	3/86	1/92	6/86	11/92	3/92	5/92					
7751000	Grant	Lombard	Chestnut	MF	PMMS		1/93	8/93	7/93	7/93	8/93	9/93	8/93	8/93			9/93		
7753000	Grant	Chestnut	Franciso	RE	....E		1/93	8/93	2/93	3/93	8/93	NO	8/93	8/93					
7761000	Granvill	Ulloa	Claremon	MF	BSSR		GP/94	5/92	3/86	1/92	6/86		3/92	5/92					
7763000	Grattan	Belveder	Cole	mf			7/93	8/93			8/93		8/93	8/93					
7765000	Grattan	Shrader	Stanyan	mf	7271E		7/93						8/93	8/93					
7767000	Grayston	TwinPeak	Villa	RE	7271E		LK	5/92	12/94	3/93	7/92	11/92	3/92	5/92					
10772000	GreatHwy	Noriega	Ortega	re	1222W													03/19/93	03/19/96
10773000	GreatHwy	Ortega	Pacheco	re	1222W													03/19/93	03/19/96
10774000	GreatHwy	Pacheco	Quintara	re	1222W													03/19/93	03/19/96
10775000	GreatHwy	Quintara	Rivera	re	1222W													03/19/93	03/19/96
10776000	GreatHwy	Rivera	Santiago	re	1222W													03/19/93	03/19/96
7809000	Green	Taylor	Mason	MF	BSSR		GP/94	1/92	3/92	2/94	7/92	1/92	3/92	5/92					
7820000	Green	Franklin	Gough	MF	7318E		GP/94	2/87	12/86	1/92	6/87	1/92	3/92	5/92					
7821000	Green	Gough	Octavia	MF	BSSR	09/92												11/13/92	11/13/95
7830000	Green	Divisade	Broderic	MF	BSSR		1/93	5/92	3/92	1/92	7/92	7/93	3/92	5/92		Sewer Hold	7/93		
7847000	Greenwic	Stockton	Powell	RE	....E		1/93	8/93		10/89	7/90	-	9/91	8/91					
7852000	Greenwic	Mason	Taylor	MF	BSSR		1/93	7/90	10/91	2/94	7/90	-	9/91	8/91					
7864000	Greenwic	Polk	VanNess	MF	BSSR		1/93	9/90	7/90	10/89	7/90	11/92	9/91	8/91			1/93		
7870000	Greenwic	Laguna	Buchanan	MF	7318E		GP/94	7/90	7/90	10/89	7/90	-	9/91	8/91					
7876000	Greenwic	Scott	Divisade	MF	BSSR		4/93	7/90	7/90	10/89	7/90	-	9/91	8/91					
7882000	Greenwoo	Valdez	Colon	MF	BSSR		9/92	5/92	3/92	1/92	7/92		3/92	5/92					
7919000	Grove	Larkin	Polk	MF	BSSR		4/93	1/94	1/92	1/94	7/92	1/92	3/92	5/92			1/94		
7921000	Grove	VanNess	Franklin	MF	PMMS		11/92	8/93	7/93	8/94	8/93		8/93	8/93					
7922000	Grove	Franklin	Gough	MF	PMMS		11/92	8/93	7/93	3/95	8/93		8/93	8/93					
7933000	Grove	Broderck	Baker	MF	PMMS		6/93	8/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
7981000	Guttenbe	Hanover	Bellevue	MF	BSSR		LK	5/92	3/92	1/92	7/92		3/92	5/92					

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7986000	Guy	1stSt	Lansing	RE	....E		4/93	5/92	2/93	3/93	6/86	-	3/92	5/92					
7991000	Hahn	Visitaci	Sunnydal	MF	BSSR	11/92												12/15/92	12/15/95
7997000	Haight	Gough	Octavia	MF	6537E	10/91												04/14/92	04/14/95
7998000	Haight	Octavia	Laguna	MF	6537E	10/91												04/14/92	04/14/95
7999000	Haight	Laguna	Buchanan	MF	6537E	10/91												04/14/92	04/14/95
8000000	Haight	Buchanan	Webster	MF	6537E	10/91												04/14/92	04/14/95
8001000	Haight	Webster	Fillmore	MF	6537E	10/91												04/14/92	04/14/95
8002000	Haight	Fillmore	Steiner	MF	6537E	10/91												04/14/92	04/14/95
8003000	Haight	Steiner	Pierce	MF	6537E	10/91												04/14/92	04/14/95
8004000	Haight	Pierce	Scott	MF	6537E	10/91												04/14/92	04/14/95
8005000	Haight	Scott	Divisade	MF	6537E	10/91												04/14/92	04/14/95
8006000	Haight	Divisade	Broderic	MF	6537E	10/91												04/14/92	04/14/95
8007000	Haight	Broderic	Baker	MF	6537E	10/91												04/14/92	04/14/95
8008000	Haight	Baker	Lyon	MF	6537E	10/91												04/14/92	04/14/95
8021000	Hale	Barnevel	Merrill	MF	BSSR		2/93	5/92	8/92	1/92	7/92		3/92	5/92					
8025000	Hallam	Folsom	End	MF	BSSR													07/07/92	07/07/95
8027000	Halleck	Front	Battery	MF	BSSR		2/93	8/93	2/93	3/93	8/93		8/93	8/93		High Priority			
8036000	Hamilton	Burrows	Bacon	RE	....E		3/93	5/92	3/93	3/93	7/92	11/92	3/92	5/92		Slurry1991	3/93		
8058000	Hampshir	24thSt	25thSt	MF	BSSR		GP/94	5/92	8/92	5/94	7/92	7/93	6/92	5/92					
8063000	Hampshir	Army	Peralta	MF	PMMS		4/93	8/93	7/93	7/93	8/93		8/93	8/93					
8065000	Hancock	Church	Sanchez	MF	BSSR		LK	5/92	3/86	1/92	6/86		3/92	5/92					
8066000	Hancock	Sanchez	Noe	MF	BSSR		9/92	5/92	3/86	1/92	4/93		3/92	5/92					
8084000	Harbor	Ingalls	Hawes	MF	BSSR		10/92	5/92	3/86	1/92	6/86	7/93	3/92	5/92			7/93		
8085000	Harbor	Hawes	Northrid	MF	BSSR		10/92	5/92	3/86	1/92	6/86	6/92	3/92	5/92			10/92		
8118000	Harney	Jamestwn	ExecPark	MF	PMMS			NO	3/86		2/86								
8119000	Harney	ExecPark	CountyLn	MF	PMMS			NO	3/86		2/86								
8128000	Harold	Holloway	Ocean	MF	BSSR													07/03/90	07/03/93
8131000	Harper	30thSt	Randall	RE	....E		LK	8/93	2/93	3/93	10/89	-	9/91	8/91		High Priority			
8141000	Harriet	Ahern	Bryant	MF	BSSR		GP/94	5/93	8/92	1/92	7/92	7/93	3/92	5/92					
8142000	Harriet	Bryant	Brannan	MF	BSSR		GP/94	5/93	3/86	4/92	6/86	7/93	3/92	5/92					
8190000	Harrison	14thSt	15thSt	MF	6690E	10/93	2/93	5/92	5/92	1/94	9/91	7/91	9/91	8/91		**CONFLICT**	1/94		
8192000	Harrison	15thSt	16thSt	MF	6690E	10/93	2/93	5/92	3/86	1/89	6/86	11/92	9/91	8/91			2/93		

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8193000	Harrison	16thSt	17thSt	mf	6690E	10/93	2/93	5/92	5/92	9/91	9/91	7/91	9/91	8/91			2/93		
8195000	Harrison	17thSt	18thSt	mf	6690E	10/93	2/93	5/92	5/92	9/91	9/91	7/91	9/91	8/91			2/93		
8197000	Harrison	18thSt	19thSt	mf	6690E	10/93	2/93	5/92	5/92	9/91	9/91	JT	9/91	8/91					
8199000	Harrison	19thSt	20thSt	mf	6690E	10/93	2/93	5/92	5/92	9/91	9/91	7/91	12/91	8/91			2/93		
8201000	Harrison	Mistral	20thSt	OL	BSSR													08/03/90	08/03/93
8202000	Harrison	20thSt	21stSt	MF	6690E	10/93	4/93	5/92	12/87	2/88	7/88	1/92	9/91	8/91			4/93		
8203000	Harrison	21stSt	22ndSt	MF	6690E	10/93	4/93	5/92	5/92	9/91	9/91	JT	9/91	8/91					
8204000	Harrison	22ndSt	23rdSt	mf	6690E	10/93	4/93	5/92	5/92	9/93	9/91	8/93	9/91	8/91		Int not incld	9/93		
8211000	Harrison	Precita	Norwich	MF	BSSR													12/21/92	12/21/95
8216000	Hartford	17thSt	18thSt	MF	BSSR		9/92	5/92	8/92	1/92	7/92		3/92	5/92					
8233000	Havelock	SanJose	Arago	MF	BSSR														
8237000	Havelock	Edna	Circular	MF	BSSR		9/92	5/92	3/92	1/92	7/92		3/92	5/92					
8248000	Hawes	Palou	Quesada	MF	BSSR		2/93	5/92	8/92	1/92	7/92	11/92	3/92	5/92			2/93		
8281000	Hayes	Buchanan	Webster	MF	PMMS		6/93	8/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
8282000	Hayes	Webster	Fillmore	MF	PMMS		6/93	8/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
8286000	Hayes	Scott	Divisado	MF	PMMS		6/93	8/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
8287000	Hayes	Divisado	Broderck	MF	PMMS		6/93	8/93	7/93	7/93	8/93	NO	8/93	8/93					
8288000	Hayes	Broderck	Baker	MF	PMMS		6/93	8/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
8289000	Hayes	Baker	Lyon	MF	PMMS		LK	8/93	7/93	7/93	8/93	7/93	8/93	8/93					
8290000	Hayes	Lyon	Central	MF	PMMS		6/93	8/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
8292000	Hayes	Masonic	Ashbury	MF	PMMS		6/93	8/93	7/93	7/93	8/93		8/93	8/93					
8293000	Hayes	Ashbury	Clayton	MF	PMMS		6/93	8/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
8295000	Hayes	Cole	Shrader	MF	PMMS		6/93	10/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
8296000	Hayes	Shrader	Stanyan	MF	PMMS		5/93	8/93	7/93	7/93	8/93	7/93	8/93	8/93			8/93		
8299000	Hazelwoo	Judson	Staples	MF	BSSR		9/92	5/92	3/92	1/92	7/92		3/92	5/92					
8302000	Hazelwoo	Montecit	Monterey	MF	BSSR		9/92	5/92	3/92	1/92	7/92		3/93	5/92					
8303000	Hazelwoo	Monterey	Joost	MF	7260E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
8304000	Hazelwoo	Joost	Mangels	MF	7260E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
8306000	Hazelwoo	LosPalmo	Brentwoo	MF	7260E		8/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92			8/93		
8325000	Hearst	Congo	Detroit	MF	BSSR													06/08/93	06/08/96
8338000	Hemlock	Larkin	Polk	MF	7318E		LK	8/93			8/93	7/93	8/93	8/93					
8342000	Hemlock	Laguna	End	MF	BSSR		5/93	5/92	6/92	1/92	7/92		3/92	5/92					

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							PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:			
8352000	Henry	End	Castro	MF	BSSR		9/92	5/92	3/86	1/92	6/86		3/92	5/92					
8363000	Hernande	LagunHon	Woodside	MF	BSSR		7/93	5/92	3/86	1/92	6/86		3/92	5/92					
8380000	Hickory	Webster	Buchanan	MF	BSSR													09/13/93	09/13/96
8405000	Hill	Church	Sanchez	RE	....E		GP/97	3/86	2/93	3/93	6/86	-	8/93	8/93					
8444000	Hoffman	25thSt	End:S	MF	BSSR		GP/94	5/92	8/92	10/89	1/90	11/92	3/92	5/92					
8446000	Holladay	Peralta	Wright	MF	PMMS														
8447000	Holladay	Wright	York	MF	PMMS														
8450000	Holladay	Costa	Faith	MF	PMMS														
8461000	Holliste	Hawes	Ingalls	MF	BSSR													06/25/93	06/25/96
8462000	Holliste	Ingalls	Jennings	mf	BSSR		GP/94	5/92	12/88	10/88	10/88	-	9/91	8/91					
8463000	Holliste	Jennings	3rdSt	MF	BSSR		1/93	5/92	8/92	1/92	7/92		3/92	5/92					
8482000	Holloway	Ramsell	Arch	MF	BSSR		10/92	9/89	10/89	7/89	10/89	10/89	9/91	8/91			10/92		
8484000	Holloway	Arch	Vernon	MF	BSSR		10/92	9/89	10/89	7/89	10/89	10/89	9/91	8/91			10/92		
8493000	Holloway	Beverly	JunipSer	MF	BSSR		10/92	6/89	6/89	6/89	6/89	6/89	9/91	8/91			10/92		
8499000	Holloway	19thAve	Varela	MF	BSSR													07/31/90	07/31/93
8500000	Holloway	Varela	Cardenas	MF	BSSR													07/31/90	07/31/93
8514000	Hollywoo	Pope	End	MF	BSSR		12/85	5/86	3/86		6/86								
8530000	Homestea	24thSt	25thSt	MF	BSSR		GP/94	5/92	8/92	1/92	7/92	7/93	3/92	5/92					
8533000	Homewood	Wildwood	Start:N	RE	....E		9/92	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
8588000	Hawth	Ocean	Geneva	MF	BSSR													08/26/93	08/26/96
8593000	Hubbell	7thSt	16thSt	MF	BSSR													08/13/93	08/13/96
8605000	Hudson	End:E	Ingalls	MF	BSSR													11/04/91	11/04/94
8626000	Hugo	6thAve	7thAve	MF	BSSR		4/93	5/92	3/86	1/92	6/86	1/92	3/92	5/92			4/93		
8631000	Hunt	3rdSt	End	MF	BSSR		2/93	7/94	8/92	4/92	7/92	9/93	3/92	5/92			7/94		
8650000	Huron	Foote	Naglee	MF	BSSR													07/16/91	07/16/94
8652000	Huron	Naglee	Whipple		BSSR		10/92	5/92	10/91	9/91	9/91	7/91	9/91	8/91			10/92		
8654000	Huron	Whipple	Farragut	MF	BSSR											Slurry1992		08/16/91	08/16/94
8657000	Huron	Lawrence	Sickles	MF	BSSR													07/15/91	07/15/94
8742000	Hyde	Beach	Jefferso	MF	7318E		1/93	4/86	3/86	1/92	6/86	1/92	3/92	5/92			1/93		
8995000	Illinois	Mariposa	18thSt	MF	BSSR		GP/94	5/92	8/92	1/92	7/92	11/92	3/92	5/92					
9015000	Indiana	Mariposa	18thSt	MF	PMMS		7/85	5/86	3/86		6/86	9/93							
9016000	Indiana	18thSt	19thSt	MF	PMMS		7/85	5/86	3/86		6/86								

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9017000	Indiana	19thSt	20thSt	MF	PMMS		7/85	5/86	3/86		6/86								
9020000	Indiana	Tubbs	23rdSt	MF	BSSR		10/85	5/86	3/86		6/86								
9022000	Indiana	23rdSt	25thSt	MF	BSSR		10/85	5/86	3/86		6/86								
9029000	Industri	Palou	Quesada	MF	BSSR													09/17/90	09/17/93
9030000	Industri	Quesada	Revere	MF	BSSR													09/17/90	09/17/93
9033000	Industri	Revere	Barnevel	MF	BSSR		3/93	4/93	8/92	JT	7/92	JT	3/92	5/92					
9051000	Ingalls	Oakdale	Palou	MF	BSSR													11/15/91	11/15/94
9053000	Ingalls	Quesada	Revere	MF	BSSR													06/26/91	06/26/94
9056000	Ingalls	Thomas	Underwoo	MF	BSSR													06/08/93	06/08/96
9058000	Ingalls	VanDyke	Wallace	MF	BSSR		LK	5/92	3/92	1/92	7/92	1/92	6/92	5/92					
9069000	Ingalls	Ingerson	Jamestow	RE	....E		1/93	6/90	3/93	3/93	1/90	-	9/91	8/91					
9077000	Ingerson	Ingalls	Jennings	MF	BSSR		GP/94	9/90	2/89	2/89	4/89	-	9/91	8/91					
9082000	Innes	Fitch	Griffith	MF	6678E	11/91												05/20/92	05/20/95
9083000	Innes	Griffith	HuntersP	MF	6678E	11/91												05/20/92	05/20/95
9110000	Irving	Arguello	2ndAve	MF	6510E	4/92												05/22/92	05/22/95
9111000	Irving	2ndAve	3rdAve	MF	6510E	4/92												05/22/92	05/22/95
9112000	Irving	3rdAve	4thAve	MF	6510E	4/92												05/22/92	05/22/95
9113000	Irving	4thAve	5thAve	MF	6510E	4/92												05/22/92	05/22/95
9114000	Irving	5thAve	6thAve	MF	6510E	4/92												05/22/92	05/22/95
9115000	Irving	6thAve	7thAve	MF	6510E	4/92												05/22/92	05/22/95
9116000	Irving	7thAve	8thAve	MF	6510E	4/92												05/22/92	05/22/95
9117000	Irving	8thAve	9thAve	MF	6510E	4/92												05/22/92	05/22/95
9118000	Irving	9thAve	10thAve	MF	6510E	4/92												05/22/92	05/22/95
9119000	Irving	10thAve	11thAve	MF	6510E	4/92												05/22/92	05/22/95
9120000	Irving	11thAve	12thAve	MF	6510E	4/92												05/22/92	05/22/95
9121000	Irving	12thAve	Funston	MF	6510E	4/92												05/22/92	05/22/95
9123000	Irving	14thAve	15thAve	MF	6510E	4/92												05/22/92	05/22/95
9124000	Irving	15thAve	16thAve	MF	6510E	4/92												05/22/92	05/22/95
9125000	Irving	16thAve	17thAve	MF	6510E	4/92												05/22/92	05/22/95
9126000	Irving	17thAve	18thAve	MF	6510E	4/92												05/22/92	05/22/95
9127000	Irving	18thAve	19thAve	MF	6510E	4/92												05/22/92	05/22/95
9128000	Irving	19thAve	20thAve	MF	6510E	4/92												05/22/92	05/22/95

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9129000	Irving	20thAve	21stAve	MF	6510E	4/92												05/22/92	05/22/95
9130000	Irving	21stAve	22dAve	MF	6510E	4/92												05/22/92	05/22/95
9131000	Irving	22ndAve	23rdAve	MF	6510E	4/92												05/22/92	05/22/95
9132000	Irving	23rdAve	24thAve	MF	6510E	4/92												05/22/92	05/22/95
9133000	Irving	24thAve	25thAve	MF	6510E	4/92												05/22/92	05/22/95
9134000	Irving	25thAve	26thAve	MF	6510E	4/92												05/22/92	05/22/95
9135000	Irving	26thAve	27thAve	MF	6510E	4/92												05/22/92	05/22/95
9136000	Irving	27thAve	28thAve	MF	6510E	4/92												05/22/92	05/22/95
9175000	Isola	Rockdale	Teresita	MF	7316E		6/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			6/93		
9179000	Italy	Paris	Lisbon	MF	BSSR		11/92	5/92	3/92	1/92	7/92	6/92	3/92	5/92			11/92		
9219000	Jackson	Grant	Stockton	mf	BSSR		GP/93	9/89	3/86	9/89	6/86	10/89	9/91	8/91					
9223000	Jackson	Stockton	Powell	MF	BSSR		GP/93	5/92	3/86	4/92	6/86	6/92	3/92	5/92					
9233000	Jackson	Hyde	Larkin	MF	BSSR		2/93	3/86	3/86	7/95	6/86	1/92	3/92	5/92			7/95		
9234000	Jackson	Larkin	Polk	MF	BSSR		2/93	3/86	3/86	7/95	6/86	1/92	3/92	5/92			7/95		
9235000	Jackson	Polk	VanNess	MF	BSSR		2/93	3/86	3/86	7/95	6/86	1/92	3/92	5/92			7/95		
9247000	Jackson	Divisade	Broderic	MF	BSSR													04/24/92	04/24/95
9259000	Jade Pl	GoldMine	Start:W	RE	....E		8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
9280000	Jansen	Greenwic	Lombard	RE	....E		1/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
9291000	Jarboe	Bronte	End	MF	BSSR		2/93	5/92	8/92	1/92	7/92	6/92	3/92	5/92			2/93		
9305000	Jefferso	Leavenwo	Hyde	MF	Port		1/93	7/90	7/90	10/89	1/90	11/92	9/91	8/91			1/93		
9306000	Jefferso	Hyde	End:West	mf	PMMS														
9337000	Jennings	Gilman	Holliste	MF	BSSR		GP/94	9/89	2/89	2/89	4/89	-	9/91	8/91					
9338000	Jennings	Holliste	Ingerson	MF	BSSR		GP/94	9/89	2/89	2/89	4/89	-	9/91	8/91					
9340000	Jennings	Jamestow	Key	MF	BSSR		GP/94	9/89	2/89	2/89	4/89	7/93	9/91	8/91					
9347000	Jerrold	3rdSt	Phelps	MF	BSSR	*U/C*	6/93	1/89	12/88	10/88	10/88	11/92	9/91	8/91			6/93		
9361000	Jersey	Dolores	Chatanoo	MF	BSSR		LK	5/92	8/92	12/92	9/91	7/91	9/91	8/91					
9362000	Jersey	Chatanoo	Church	MF	BSSR		LK	5/92	8/92	12/92	9/91	7/91	9/91	8/91					
9385000	Jessie	7thSt	End	MF	BSSR		GP/94	5/92	8/92	1/92	7/92	11/92	3/92	5/92					
9391000	Jessie	Mccoppin	End	MF	BSSR		GP/94	5/92	8/92	3/95	7/92		3/92	5/92					
9439000	John	Mason	Powell	MF	BSSR		GP/94	2/87	12/86	4/92	7/92		3/92	5/92					
9447000	Joice	Californ	Sacramen	MF	PMMS				3/86		6/86								
9449000	Joice	Sacramen	Clay	MF	PMMS		3/86		3/86		6/86								

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9452000	Jones	McAllist	GoldenGa	MF	6509E	6/91												12/04/91	12/04/94
9453000	Jones	GoldenGa	Turk	MF	6509E	6/91												12/04/91	12/04/94
9454000	Jones	Turk	Eddy	MF	6509E	6/91												12/04/91	12/04/94
9455000	Jones	Eddy	Ellis	MF	6509E	6/91												12/04/91	12/04/94
9457000	Jones	Ellis	OFarrell	MF	6509E	6/91												12/04/91	12/04/94
9461000	Jones	Post	Sutter	MF	6509E	6/91												12/04/91	12/04/94
9463000	Jones	Sutter	Bush	MF	6509E	6/91												12/04/91	12/04/94
9464000	Jones	Bush	Pine	MF	6509E	6/91												12/04/91	12/04/94
9500000	Joost	Baden	Congo	MF	7316E		8/93	9/89	10/89	7/89	10/89	-	9/91	8/91					
9501000	Joost	Congo	Detroit	MF	7316E		8/93	9/89	10/89	8/89	10/89	-	9/91	8/91					
9507000	Joost	Ridgewoo	Hazelwoo	MF	7316E		9/92	5/92	3/86	1/92	6/86	11/92	3/92	5/92			11/92		
9514000	Josiah	RidgeLn	Lakeview	mf	BSSR													07/23/90	07/23/93
9590000	Judson	Phelan	Hazelwoo	MF	BSSR													07/25/90	07/25/93
9600000	Julian	14thSt	15thSt	MF	BSSR		GP/95	5/92	8/92	1/92	7/92		3/92	5/92					
9603000	Julius	Lombard	End	mf	BSSR													09/15/92	09/15/95
9626000	JunipSer	Garfield	Holloway	MF	7260E		10/92	8/93			8/93		8/93	8/93					
9627000	JunipSer	Holloway	Stratfor	MF	7260E		10/92	8/93			8/93		8/93	8/93					
9655000	JunipSer	Lyndhurs	Wyton Ln	MF	7260E		5/93	8/93			8/93		8/93	8/93					
9656000	JunipSer	Wyton Ln	Holloway	MF	7260E		5/93	8/93			8/93		8/93	8/93					
9631000	JunipSer	19thAve	CountyLn	MF	CDOT		9/92	9/89	10/89	8/89	10/89	11/92	9/91	8/91		State Hwy	11/92		
9691000	Kate	Bryant	End	MF	BSSR		GP/93	12/85	8/85	2/89	8/85	-	9/91	8/91					
9715000	Kearny	Broadway	Vallejo	RE	....E		GP/94	8/93	2/93	2/94	7/90	-	9/91	8/91					
9718000	Kearny	Union	Filbert	RE	....E		GP/94	8/93	2/93	2/94	4/93	-	8/93	8/93					
9723000	Kearny	End	Francisc	TR	5994E	7/91												11/01/91	11/01/94
9724000	Kearny	Francisc	Bay	TR	5994E	7/91												11/01/91	11/01/94
9731000	Keith	Oakdale	Palou	MF	BSSR													08/06/93	08/06/96
9762000	Kensngtn	Vasquez	Ulloa	MF	7316E		GP/94	5/92	3/92	1/92	7/92	6/92	3/92	5/92					
9771000	Kenwood	Keystone	Manor	MF	PMMS							9/93				Slurry1990			
9778000	Key	End	Jennings	MF	BSSR		1/93	5/92	8/92	1/92	7/92	7/93	3/92	5/92			7/93		
9782000	Key	Keith	Bayshore	MF	BSSR		1/93	9/90	8/92	10/89	1/90	-	9/91	8/91					
9804000	King	Embarcad	2ndSt	RE	6658E	11/92	GP/94	7/91	10/91	10/89	1/90	10/89	9/91	8/91					
9806000	King	2ndSt	3rdSt	re	6658E	11/92	GP/94	12/91	8/92	JT	1/91	JT	9/91	8/91					

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	King	3dSt	4thSt	RE	6660E	9/94	GP/94	7/91	8/92	10/89	1/90	10/89	9/91	8/91					
9806000	King	3rdSt	4thSt	re	6660E	9/94	GP/94	4/93	8/92	JT	1/91	JT	9/91	8/91					
9807000	King	4thSt	5thSt	re	6660E	9/94	GP/94	4/93	8/92	JT	1/91	JT	9/91	8/91					
9808000	King	5thSt	6thSt	re	6660E	9/94	GP/94	4/93	8/92	JT	1/91	JT	9/91	8/91					
9814000	Kingston	Mission	Coleridg	MF	BSSR		8/93	5/92	8/92	1/92	7/92		3/92	5/92					
9832000	Kirkham	18thAve	19thAve	MF	BSSR		3/93	10/92	10/91	9/91	9/91	7/91	9/91	8/91			3/93		
9863000	Kirkham	47thAve	48thAve	MF	BSSR													09/28/92	09/28/95
9864000	Kirkham	48thAve	La Playa	MF	BSSR													09/30/92	09/30/95
9870203	Kirkwood	Newhall	Phelps	MF	BSSR													07/02/93	07/02/96
9883000	Kissling	11thSt	12thSt	MF	BSSR		GP/94	6/92	8/92	1/92	7/92		3/92	5/92					
9941000	Lafayett	Mission	Howard	MF	BSSR		GP/94	6/92	3/86	1/92	6/86		3/92	5/92					
9920000	LaGrand	Russia	End:S	RE	....E		11/92	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
10044000	Laidley	Noe	Harper	MF	BSSR													08/24/93	08/24/96
10046000	Laidley	Harper	Fairmoun	MF	BSSR													08/24/93	08/24/96
10113000	Lake	Arguello	2ndAve	MF	6642E	11/91												03/13/92	03/13/95
10114000	Lake	2ndAve	3rdAve	MF	6642E	11/91												03/13/92	03/13/95
10115000	Lake	3rdAve	4thAve	MF	6642E	11/91												03/13/92	03/13/95
10116000	Lake	4thAve	5thAve	MF	6642E	11/91												03/13/92	03/13/95
10117000	Lake	5thAve	6thAve	MF	6642E	11/91												03/13/92	03/13/95
10118000	Lake	6thAve	7thAve	MF	6642E	11/91												03/13/92	03/13/95
10119000	Lake	7thAve	8thAve	MF	6642E	11/91												03/13/92	03/13/95
10120000	Lake	8thAve	9thAve	MF	6642E	11/91												03/13/92	03/13/95
10121000	Lake	9thAve	10thAve	MF	6642E	11/91												03/13/92	03/13/95
10122000	Lake	10thAve	11thAve	MF	6642E	11/91												03/13/92	03/13/95
10123000	Lake	11thAve	12thAve	MF	6642E	11/91												03/13/92	03/13/95
10124000	Lake	12thAve	Funston	MF	6642E	11/91												03/13/92	03/13/95
10126000	Lake	Funston	14thAve	MF	....E		3/93	6/89	4/93	5/93	6/86	3/89	9/91	8/91			5/93		
10127000	Lake	14thAve	15thAve	MF	....E		3/93	8/93	4/93	5/93	6/86		8/93	8/93					
10128000	Lake	15thAve	16thAve	MF	....E		3/93	8/93	4/93	5/93	6/86		8/93	8/93					
10129000	Lake	16thAve	17thAve	MF	....E		3/93	8/93	4/93	5/93	6/86		8/93	8/93					
10130000	Lake	17thAve	18thAve	MF	....E		3/93	8/93	4/93	5/93	6/86		8/93	8/93					
10131000	Lake	18thAve	19thAve	MF	....E		3/93	8/93	4/93	5/93	6/86		8/93	8/93					

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10132000	Lake	19thAve	20thAve	MF	....E		3/93	8/93	4/93	5/93	4/93		8/93	8/93					
10133000	Lake	20thAve	21stAve	MF	7319E		3/93	8/93	4/93	5/93	6/86		8/93	8/93					
10135000	Lake	22ndAve	23rdAve	MF	....E		LK	8/93	4/93	5/93	6/86		8/93	8/93					
10137000	Lake	24thAve	25thAve	MF	....E		1/93	3/86	4/93	5/93	6/86		8/93	8/93					
10138000	Lake	25thAve	26thAve	MF	....E		1/93	3/86	4/93	5/93	6/86		8/93	8/93					
10139000	Lake	26thAve	27thAve	MF	....E		1/93	8/93	4/93	5/93	4/93		8/93	8/93					
10158000	Lakeview	SanJose	Caine	MF	BSSR													07/24/90	07/24/93
10159000	Lakeview	Caine	Majestic	MF	BSSR													07/24/90	07/24/93
10160000	Lakeview	Majestic	Margaret	MF	BSSR													12/12/91	12/12/94
10164000	Lakeview	Brighton	Plymouth	MF	PMMS		NO	12/85	3/86	6/87	2/86								
10165000	Lakeview	Plymouth	Granada	MF	PMMS		NO	12/85	3/86	6/87	2/86								
10166000	Lakeview	Granada	Miramar	MF	PMMS		NO	12/85	3/86		2/86								
10168000	Lakeview	Capitol	Faxon	MF	PMMS		NO	12/85	3/86		2/86								
10169000	Lakeview	Faxon	Jules	MF	7260E		10/92	12/85	3/86	1/92	2/86	11/92	3/92	5/92			11/92		
10179000	Lamartin	Still	Cayuga	MF	BSSR		LK	12/92	3/92	1/92	7/92	7/93	3/92	5/92					
10185000	Landers	15thSt	16thSt	MF	7271E		7/93	5/92	8/92	1/92	7/92	11/92	3/92	5/92			7/93		
10203000	Lane	Newcomb	Oakdale	MF	BSSR		GP/93	5/92	8/92	9/91	9/91	7/91	9/91	8/91					
10208000	Lane	Shafter	Thomas	MF	BSSR													07/01/93	07/01/96
10212000	Lane	3dSt	Yosemite	MF	BSSR													11/04/91	11/04/94
10219000	Langton	Bryant	End	MF	BSSR		GP/94	5/92	8/92	1/92	7/92	9/93	3/92	5/92					
10188000	Lansdale	Dalewood	Ludlow	RE	....E		8/93	8/93	3/93	4/93	4/93	-	8/93	8/93					
10234000	Larch	VanNess	Franklin	MF	BSSR	09/92												11/05/92	11/05/95
10273000	Larkin	Lombard	Chestnut	MF	7318E		1/93				2/86	9/93	8/93	8/93					
10274000	Larkin	Chestnut	Francisc	RE	....E		1/93	8/93	3/93	3/93	4/93	-	8/93	8/93					
10276000	Larkin	Bay	NorthPt	RE	....E		1/93	8/93	3/93	3/93	8/93	-	8/93	8/93					
10306000	Laussat	Webster	Buchanan	MF	BSSR		6/93	5/86	3/86	1/92	6/86		3/92	5/92					
10312000	Lawrence	Sears	Alemany	MF	BSSR											Slurry1992		04/29/91	04/29/94
10323000	Lawton	Funston	15thAve	mf	BSSR													06/21/91	06/21/94
10324000	Lawton	15thAve	Lomita	mf	BSSR													06/21/91	06/21/94
10325000	Lawton	Lomita	16thAve	mf	BSSR													06/21/91	06/21/94
10378000	Leavenwr	Californ	Acorn Al	MF	7318E		2/93	8/93			8/93		8/93	8/93					
1037900	Leavenwr	Acorn Al	Sacramen	MF	7318E		2/93	8/93			8/93		8/93	8/93					

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10381000	Leavenwr	Clay	Washingt	MF	BSSR		GP/93	5/92	3/86	9/91	6/86	11/92	9/91	8/91			.		
10390000	Leavenwr	Vallejo	Green	RE	6261E	10/89												08/03/90	08/03/93
10393000	Leavenwr	Union	Filbert	RE	....E		1/93	3/90	3/93	2/94	1/90	NO	9/91	8/91					
10395000	Leavenwr	Filbert	Greenwic	MF	7318E		1/93	12/93	3/86		6/86	9/93	8/93	8/93					
10398000	Leavenwr	Lombard	Chestnut	RE	....E		1/93	12/93	3/93	3/93	4/93	-	8/93	8/93					
10399000	Leavenwr	Chestnut	Francisc	MF	7318E		1/93	8/93			8/93	9/93	8/93	8/93					
10400000	Leavenwr	Francisc	Bay	MF	7318E		1/93	8/93			8/93		8/93	8/93					
10401000	Leavenwr	Bay	NorthPoi	MF	7318E		1/93	8/93	3/86		6/86		8/93	8/93					
10446000	Leo	Mission	Alemany	MF	BSSR													05/24/93	05/24/96
10548000	Lincoln	Arguello	2ndAve	MF	BSSR		4/93	5/92	2/92	1/92	7/92	1/92	3/92	5/92			4/93		
10549000	Lincoln	2ndAve	3rdAve	MF	BSSR		4/93	5/92	2/92	1/92	7/92	1/92	3/92	5/92			4/93		
10551000	Lincoln	3rdAve	4thAve	MF	6429E	4/90												04/22/91	04/22/94
10552000	Lincoln	4thAve	5thAve	MF	6429E	9/90												04/22/91	04/22/94
10553000	Lincoln	5thAve	6thAve	MF	6429E	9/90												04/22/91	04/22/94
10554000	Lincoln	6thAve	7thAve	MF	6429E	9/90												04/22/91	04/22/94
10555000	Lincoln	7thAve	8thAve	MF	6429E	9/90												04/22/91	04/22/94
10556000	Lincoln	8thAve	9thAve	MF	6429E	9/90												04/22/91	04/22/94
10557000	Lincoln	9thAve	10thAve	MF	6429E	9/90												04/22/91	04/22/94
10558000	Lincoln	10thAve	11thAve	mf	6429E	9/90												04/22/91	04/22/94
10559000	Lincoln	11thAve	12thAve	mf	6429E	9/90												04/22/91	04/22/94
10560000	Lincoln	12thAve	Funston	mf	6429E	9/90												04/22/91	04/22/94
10561000	Lincoln	Funston	14thAve	mf	6429E	9/90												04/22/91	04/22/94
10562000	Lincoln	14thAve	15thAve	mf	6429E	9/90												04/22/91	04/22/94
10563000	Lincoln	15thAve	16thAve	mf	6429E	9/90												04/22/91	04/22/94
10564000	Lincoln	16thAve	17thAve	mf	6429E	9/90												04/22/91	04/22/94
10565000	Lincoln	17thAve	18thAve	mf	6429E	9/90												04/22/91	04/22/94
10566000	Lincoln	18thAve	19thAve	mf	6429E	9/90												04/22/91	04/22/94
10615000	Linden	Laguna	Octavia	MF	BSSR		LK	5/92	3/86	1/92	6/86		3/92	5/92					
10617000	Linden	End	Buchanan	MF	BSSR		LK	5/92	3/86	1/92	6/86	7/93	3/92	5/92					
10623000	Lippard	Bosworth	Chenery	MF	BSSR		LK	5/92	3/86	1/92	6/86	11/92	3/92	5/92					
10629000	Lisbon	Avalon	Excelsio	MF	BSSR													06/10/93	06/10/96
10642000	Lobos	Caine	Plymouth	MF	BSSR													08/19/92	08/19/95

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10644000	Lobos	Capitol	Orizaba	mf	BSSR													08/20/92	08/20/95
10652000	Locust	Jackson	Pacific	MF	BSSR		2/93	6/93	3/92	1/92	7/92	6/92	3/92	5/92			6/93		
10675000	Lombard	Mason	Taylor	MF	BSSR		1/93	1/92	3/92	2/94	7/92		3/92	5/92					
10679000	Lombard	Jones	Leavenwo	RE	....E		1/93		3/93	3/93	4/93	7/93				High Priority			
10680000	Lombard	Leavenwo	Hyde	RE	....E	6/94	1/93	8/93	3/93	3/93	8/93	7/93	8/93	8/93		High Priority	8/93		
10681000	Lombard	Hyde	Larkin		BSSR		1/93	6/92	3/86	6/93	6/86	11/92	3/92	5/92			6/93		
10719000	Loomis	Barnevel	Oakdale	TR	7127E	9/93	4/93	5/88	12/87	7/87	4/88	11/92	9/91	8/91			4/93		
10720000	Loomis	Oakdale	Flower	TR	7127E	9/93	4/93	5/92	3/92	4/92	7/92	11/92	3/92	8/93			8/93		
10721000	Loomis	Flower	Waterloo	TR	7127E	9/93	3/93	11/88	12/88	10/88	10/88	10/88	3/92	8/93			8/93		
10722000	Loomis	Waterloo	Industri	TR	7127E	9/93	3/93	1/89	2/89	1/89	4/89	1/89	3/92	8/93			8/93		
10744000	LosPalmo	Burlwood	Hazelwoo	MF	7260E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
10746000	Louisbur	Geneva	Niagara	MF	BSSR													12/09/91	12/09/94
10747000	Louisbur	Niagara	MtVernon	MF	BSSR													12/10/91	12/10/94
10812000	LundysLn	Fair	Esmerald	RE	....E		8/93	8/93	3/93	3/93	8/93	-	8/93	8/93					
10830000	Lynch	Leavnwth	Hyde	MF	PMMS		GP/93	8/93	7/93	7/93	8/93		8/93	8/93					
10843000	Lyon	McAllist	GoldenGa	MF	BSSR		6/93	5/92	3/92	1/92	7/92	9/93	6/92	5/92			9/93		
10849000	Lyon	Post	Sutter	MF	....E		GP/94	5/92	3/92	1/92	4/93	7/93	3/92	5/92					
10850000	Lyon	Sutter	Bush	MF	BSSR		GP/94	12/94	11/94	1/92	4/93	NO	3/92	5/92					
10851000	Lyon	Bush	Pine	MF	....E		GP/94	12/94	11/94	1/92	4/93	7/93	3/92	5/92	11/94	UGD			
10852000	Lyon	Pine	Californ	MF	....E		GP/94	12/94	11/94	6/93	4/93	7/93	3/92	5/92	11/94	UGD			
10853000	Lyon	Californ	Sacramen	mf	....E		GP/94	12/94	11/94	6/93	7/90	NO	9/91	8/91	11/94	UGD			
10854000	Lyon	Sacramen	Clay	MF	....E		GP/94	12/94	11/94	8/90	6/86	-	9/91	8/91	11/94	UGD			
10855000	Lyon	Clay	Washingt	mf	....E		GP/94	12/94	11/94	10/90	6/86	-	9/91	8/91	11/94	UGD			
10856000	Lyon	Washingt	Jackson	RE	....E		GP/94	7/94	4/93		4/93	12/92	8/93	8/93	11/94	UGD			
10858000	Lyon	Pacific	Broadway	RE	....E		GP/95	8/93	3/93	3/93	4/93	2/93	8/93	8/93					
10866000	Lyon	Chestnut	Francisc	MF	7318E		10/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
10901000	Madison	Felton	Burrows	MF	BSSR		GP/94	5/92	2/92	1/92	7/92	1/92	3/92	5/92					
10903000	Madrid	Silver	Peru	MF	BSSR		9/92	5/92	10/91	11/95	9/91	7/91	9/91	8/91			11/95		
10923000	Magellan	Pacheco	Dorantes	MF	BSSR		7/93	5/92	10/91	9/91	9/91	7/91	9/91	8/91			7/93		
10924000	Magellan	Dorantes	Montalvo	MF	BSSR		7/93	5/92	3/86	9/91	6/86	7/91	9/91	8/91			7/93		
10933000	MaidenLn	Kearney	Grant	re	DCP	1/95	GP/94	8/93	5/93	4/93	8/93		5/93	8/93					
10934000	MaidenLn	Grant	Stockton	re	DCP	1/95	GP/94	8/93	5/93	4/93	8/93		5/93	8/93					

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10944000	Main	Bryant	Embarcad	TR	6658E	8/92	GP/92	8/90	3/92	6/90	9/90	7/90	9/91	8/91					
10946000	Majestic	Lakeview	Ridge	MF	BSSR	09/92												11/04/92	11/04/95
10953000	Mallorca	Alhambra	Capra	OL	6001Q	1/90												07/27/90	07/27/93
10957000	Malta	Mercato	Valletta	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
10962000	Manchest	Bessie	Stoneman	RE	....E		6/93	8/93	3/93	3/93	1/90	-	9/91	8/91					
10963000	Manchest	Stoneman	Ripley	RE	6261E	10/89												08/03/90	08/03/93
10970000	Mangels	Detroit	Edna	MF	7316E		9/92	5/92	7/90	6/90	7/90	7/90	9/91	8/91			9/92		
10977000	Mangels	Hazelwoo	Valdez	MF	7260E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
10979000	Mangels	Colon	Plymouth	MF	BSSR	11/92												12/16/92	12/16/95
10990000	Mansell	SanBruno	Girard	RE	6668E	6/92												09/27/92	09/27/95
10991000	Mansell	Girard	Brussels	RE	6668E	6/92												09/27/92	09/27/95
10992000	Mansell	Brussell	Goetting	RE	6668E	6/92												09/27/92	09/27/95
11040000	Marin	Michigan	Illinois		BSSR		9/92	5/92	8/92	1/92	7/92	11/92	3/92	5/92			11/92		
11128101	Market	11thSt	VanNess	RE	M1101	6/93	11/90	12/87	12/87	7/87	12/87	10/88	9/91	11/94			11/94		
11130000	Market	VanNess	Franklin	RE	M1101	6/93	GP/93	4/93	3/92	1/92	4/91	3/91	9/91	11/94					
11134000	Market	Franklin	Gough	RE	M1101	6/93	GP/93	4/93	3/92	1/92	4/91	3/91	9/91	11/94					
11139000	Market	Gough	Octavia	RE	M1101	6/93	GP/93	4/93	3/92	1/92	4/91	3/91	9/91	11/94					
11143000	Market	Octavia	Laguna	RE	M1101	6/93	GP/93	4/93	3/92	1/92	4/91	3/91	9/91	11/94					
11144000	Market	Laguna	Duboce	RE	M1101	6/93	GP/93	4/93	3/92	1/92	4/91	3/91	9/91	11/94					
11145000	Market	Duboce	Dolores	RE	MR894	5/92	GP/92	12/90	3/92	6/90	7/90	7/90	9/91	1/94					
11147000	Market	Dolores	Church	RE	MR894	5/92	GP/92	12/90	3/92	6/90	7/90	7/90	9/91	1/94					
11150000	Market	Church	Sanchez	RE	MR894	5/92	GP/92	12/90	3/94	6/90	7/90	7/90	9/91	1/94					
11153000	Market	Sanchez	Noe	RE	MR894	5/92	GP/92	12/90	3/92	6/90	7/90	7/90	9/91	1/94					
11155000	Market	Noe	Castro	RE	MR894	5/92	GP/92	12/90	3/92	6/90	7/90	7/90	9/91	1/94					
11179000	Mars	17thSt	Corbett	MF	BSSR													08/06/92	08/06/95
11182000	Marsily	Bosworth	End	MF	BSSR													08/20/93	08/20/96
11224000	Mason	Pine	Californ	RE	....E		GP/96	8/93	3/93	4/93	8/93	2/93	8/93	8/93					
11230000	Mason	Clay	Washingt	RE	....E		GP/96	8/93	3/93	4/93	8/93	2/93	8/93	8/93					
11248000	Mason	Lombard	Chestnut	MF	BSSR		1/93	5/92	3/92	3/94	7/92		3/92	5/92					
11252000	Mason	Francisc	Bay	TR	5994E	7/91												11/01/91	11/01/94
11253000	Mason	Bay	NorthPoi	TR	5994E	7/91												11/01/91	11/01/94
11254000	Mason	NorthPoi	Beach	MF	7318E		1/93	5/92	3/86	1/92	6/86	1/92	3/92	5/92			1/93		

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11255000	Mason	Beach	Jefferso	MF	7318E		1/93	5/92	3/86	1/92	6/86	NO	3/92	5/92					
11257000	Masonic	Presidio	Euclid	mf	6450E	9/90												11/02/90	11/02/93
11260100	Masonic	Euclid	Geary	MF	6450E	9/90												11/02/90	11/02/93
11260104	Masonic	Turk	GoldenGa	MF	6450E	9/90												11/02/90	11/02/93
11260105	Masonic	GoldenGa	McAllist	MF	6450E	9/90												11/02/90	11/02/93
11260106	Masonic	McAllist	Fulton	MF	6450E	9/90												11/02/90	11/02/93
11260107	Masonic	Fulton	Grove	MF	6450E	9/90												11/02/90	11/02/93
11260108	Masonic	Grove	Hayes	MF	6450E	9/90												11/02/90	11/02/93
11260109	Masonic	Hayes	Fell	MF	6450E	9/90												11/02/90	11/02/93
11260116	Masonic	Frederic	Java	RE	7092E	11/91												02/12/92	02/12/95
11260120	Masonic	LomaVist	Roosevel	RE	....E		GP/93	8/93	2/93	3/93	8/93	-	8/93	8/93					
11263000	Massasoi	Franconi	Rutledge	MF	BSSR		4/93	5/92	5/92	10/89	12/90	11/92	3/92	5/92			4/93		
11261000	Masset	3rdSt	End	MF	BSSR		2/93	7/94	3/86	1/92	6/86		3/92	5/92					
11266000	Mateo	Chenery	Laidley	RE	6424E	7/92												09/17/92	09/17/95
11285000	Maynard	Congdon	Gladston	MF	BSSR													09/23/93	09/23/95
11292000	McAllist	Market	Leavnwth	MF	PMMS		4/93	8/93	7/93	7/94	8/93		8/93	8/93					
11302000	McAllist	Gough	Laguna	MF	BSSR		5/93	8/93			8/93		8/93	8/93		High Priority			
11303000	McAllist	Laguna	Webster	MF	BSSR		5/93	8/93			8/93		8/93	8/93					
11312000	McAllist	Lyon	Central	MF	PMMS		5/93	1/87	3/86		6/86								
11313000	McAllist	Central	Masonic	MF	PMMS		6/86	1/87	3/86	4/87	6/86	NO							
11315000	McAllist	Parker	Stanyan	MF	BSSR		5/93	1/87	3/86	1/92	6/86		3/92	5/92					
11317000	McAllist	Stanyan	Parsons	MF	BSSR		5/93	5/92	3/86	1/92	6/86		3/92	5/92					
11325000	McCoppin	Otis	Valencia	MF	BSSR		LK	5/92	8/92	3/95	7/92	7/93	3/92	5/92					
11326000	McCoppin	Valencia	Market	MF	BSSR		11/92	5/92	8/92	3/95	7/92	7/93	3/92	8/94			7/93		
11334000	McKinnon	Lane	Mendell	MF	BSSR		LK	5/92	3/92	1/92	7/92	1/92	3/92	5/92					
11343000	McKinnon	Upton	Barnevld	MF	BSSR		LK	9/89	10/89	6/89	1/90	11/92	9/91	8/91					
11414000	Mercedes	Cerritos	Paloma	MF	BSSR													08/30/93	08/30/96
11420000	Merchant	Montgome	Kearny	MF	BSSR		GP/93	5/92	8/92	1/92	7/92	6/92	3/92	5/92					
11433000	Merrill	Gaven	Sweeny	MF	BSSR		2/93	5/92	3/86	1/92	6/86		3/92	5/92					
11434000	Merrill	Sweeny	Hale	OL	BSSR	*U/C*	2/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92			2/93		
11435000	Merrill	Hale	Silver	OL	BSSR	*U/C*	2/93	5/92	8/92	1/92	7/92	11/92	3/92	5/92			2/93		
11441000	Mersey	St:North	24thSt	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					

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11456000	Michigan	Marin	Army	MF	BSSR		9/92	5/92	3/86	1/92	6/86		3/92	5/92					
11487000	Miguel	Arlingto	SanJose	MF	BSSR													04/21/92	04/21/95
11490000	Miley	Baker	End:East	mf	BSSR		GP/94	8/93	11/92		4/93	11/92	8/93	8/93					
11497000	Miller	Sacramen	End	MF	BSSR		GP/93	5/92	2/92	1/92	7/92	11/92	3/92	5/92					
11503000	Milton	Bosworth	Mirando	MF	BSSR		7/93	5/92	3/92	1/92	7/92		6/92	5/92					
11514000	Minna	4thSt	5thSt	MF	BSSR		GP/93	5/86	3/86	1/92	6/86		3/92	5/92					
11520000	Minna	7thSt	8thSt	MF	BSSR		GP/94	12/92	8/92	1/92	7/92	NO	3/92	5/92					
11546000	Mirabel	Shotwell	Coso	MF	BSSR		LK	5/92	8/92	1/92	7/92		3/92	5/92					
11549000	Miraloma	Portola	Juanita	MF	BSSR													08/25/92	08/25/95
11550000	Miraloma	Juanita	YerbaBue	MF	BSSR													08/27/92	08/27/95
11557000	Miramar	Ocean	Southwoo	MF	BSSR													04/20/92	04/20/95
11558000	Miramar	Southwoo	Eastwood	MF	7260E		9/92	8/93			8/93		8/93	8/93					
11577000	Mission	Embarcad	Steuart	MF	7247E	2/96	GP/93	6/89	3/89	3/89	4/89	5/93	9/91	8/91					
11578000	Mission	Steuart	Spear	MF	7247E	2/96	GP/93	9/89	5/92	8/89	1/90	5/93	9/91	8/91					
11579000	Mission	Spear	Main	MF	7247E	2/96	GP/93	9/89	5/92	8/89	1/90	-	9/91	8/91					
11581000	Mission	Main	Beale	MF	7247E	2/96	GP/93	9/89	5/92	8/89	1/90	-	9/91	8/91					
11582000	Mission	Beale	Fremont	MF	7247E	2/96	GP/93	9/89	5/92	8/89	1/90	-	9/91	8/91					
11583000	Mission	Fremont	1stSt	MF	7247E	2/96	GP/93	9/89	5/92	8/89	1/90	-	9/91	8/91					
11587000	Mission	1stSt	2ndSt	MF	7247E	2/96	GP/93	9/89	5/92	8/89	1/90	-	9/91	8/91					
11590000	Mission	2ndSt	3rdSt	MF	7247E	2/96	GP/93	9/89	5/92	8/89	1/90	-	9/91	8/91					
11592000	Mission	3rdSt	4thSt	MF	7247E	2/96	GP/93	9/89	3/86	3/89	6/86	-	9/91	8/91					
11593000	Mission	4thSt	5thSt	MF	7247E	2/96	GP/93	6/89	3/86	3/89	6/86	-	9/91	8/91					
11594000	Mission	5thSt	6thSt	MF	7247E	2/96	GP/93	6/89	3/86	6/89	6/86	-	9/91	8/91					
11597000	Mission	6thSt	7thSt	MF	7247E	2/96	GP/94	6/89	3/86	6/89	6/86	NO	9/91	8/91					
11598000	Mission	7thSt	8thSt	MF	7247E	2/96	GP/94	6/89	3/86	6/89	6/86	-	9/91	8/91					
11601000	Mission	8thSt	9thSt	MF	7247E	2/96	GP/94	6/89	3/86	1/88	6/86	-	9/91	8/91					
11604000	Mission	9thSt	10thSt	MF	7247E	2/96	GP/94	6/89	3/86	1/88	12/87	-	9/91	8/91					
11605000	Mission	10thSt	11thSt	MF	7247E	2/96	GP/96	6/89	3/86	11/95	12/87	-	9/91	8/91					
11606000	Mission	11thSt	SVanNess	MF	7247E	2/96	GP/96	6/89	12/87	3/89	4/89	-	9/91	8/91					
11611000	Mission	SoVanNes	Duboce	MF	7247E	2/96	GP/96	3/90	5/92	8/89	1/90	-	9/91	8/91					
11614000	Mission	Duboce	14thSt	MF	6453E	8/91												04/30/92	04/30/95
11615000	Mission	14thSt	15thSt	MF	6453E	8/91												04/30/92	04/30/95

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PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
11616000	Mission	15thSt	16thSt	MF	6453E	8/91												04/30/92	04/30/95
11616000	Mission	16thSt	17thSt	MF	6453E	8/91												04/30/92	04/30/95
11617000	Mission	16thSt	17thSt		M904A	7/92												04/30/92	04/30/95
11620000	Mission	17thSt	18thSt	MF	6453E	8/91												04/30/92	04/30/95
11620000	Mission	17thSt	18thSt		M904A	7/92												04/30/92	04/30/95
11621000	Mission	18thSt	19thSt	MF	6453E	8/91												04/30/92	04/30/95
11621000	Mission	18thSt	19thSt		M904A	7/92												04/30/92	04/30/95
11622000	Mission	19thSt	20thSt	MF	6453E	8/91												04/30/92	04/30/95
11624000	Mission	20thSt	21stSt	MF	6453E	8/91												04/30/92	04/30/95
11625000	Mission	21stSt	22ndSt	MF	6453E	8/91												04/30/92	04/30/95
11626000	Mission	22ndSt	23rdSt	MF	6453E	8/91												04/30/92	04/30/95
11627000	Mission	23rdSt	24thSt	MF	6453E	8/91												04/30/92	04/30/95
11628000	Mission	24thSt	25thSt	MF	6453E	8/91												04/30/92	04/30/95
11629000	Mission	25thSt	26thSt	MF	6453E	8/91												04/30/92	04/30/95
11630000	Mission	26thSt	Army	MF	6453E	8/91												04/30/92	04/30/95
11676000	Mission	Persia	Russia		MR898	2/93	GP/93	12/90	10/91	11/91	12/91	3/91	3/94	7/93					
11678000	Mission	Russia	France		MR898	2/93	GP/93	12/90	10/91	11/91	12/91	3/91	3/94	7/93					
11680000	Mission	France	Italy		MR898	2/93	GP/93	12/90	10/91	11/91	12/91	3/91	9/91	7/93					
11682000	Mission	Italy	Amazon		MR898	2/93	GP/93	12/90	10/91	11/91	12/91	3/91	9/91	7/93					
11683000	Mission	Amazon	Geneva		MR898	2/93	GP/93	12/90	10/91	11/91	12/91	3/91	9/91	7/93					
11684000	Mission	Geneva	Rolph		MR898	2/93	GP/93	12/90	10/91	11/91	12/91	3/91	9/91	7/93					
11685000	Mission	Rolph	Niagara		MR898	2/93	GP/93	12/90	10/91	11/91	12/91	3/91	9/91	9/93					
11686000	Mission	Niagara	Pope		MR898	2/93	GP/93	12/90	10/91	11/91	12/91	3/91	9/91	9/93					
11687000	Mission	Pope	Allison		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11689000	Mission	Allison	Concord		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11691000	Mission	Concord	Florenti		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11692000	Mission	Florenti	Guttenbe		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11695000	Mission	Guttenbe	Lowell		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11696000	Mission	Lowell	Whipple		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11697000	Mission	Whipple	Whittier		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11698000	Mission	Whittier	Farragut		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11699000	Mission	Farragut	Laura		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					

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11700000	Mission	Laura	Oliver		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11701000	Mission	Oliver	Lawrence		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11702000	Mission	Lawrence	Acton		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11704000	Mission	Acton	CityLimi		MR898	2/93	GP/93	12/90	10/91	11/91	11/91	3/91	9/91	9/93					
11736000	Missouri	Sierra	22dSt	RE	6424E	7/91												03/15/92	03/15/95
11758000	Molimo	Gatun	Dorcas	MF	BSSR		LK	5/92	3/92	1/92	7/92	11/92	3/92	5/92					
11761000	Molimo	BellaVis	Myra	MF	7316E		9/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
11775000	MonetaWy	Huron	MonetaCt	MF	BSSR		10/92	5/92	8/85	8/85	8/85		3/92	5/92		Slurry1992			
11776000	MonetaWy	MonetaCt	Whipple	MF	BSSR		10/92	5/92	3/92	1/92	7/92		3/92	5/92		Slurry1992			
11777000	MonetaWy	Whipple	Milan	MF	BSSR		11/92	5/92	3/92	1/92	7/92		3/92	5/92		Slurry1992			
11792000	Montana	Capitol	Plymouth	MF	BSSR		LK	5/92	3/86	9/91	6/86	7/91	9/91	8/91					
11797000	Montcalm	York	Wright	MF	BSSR													08/19/93	08/19/96
11798000	Montcalm	York	Mullen	MF	PMMS		4/93	8/93	7/93	7/93	8/93		8/93	8/93					
11802000	Montcalm	Peralta	Alabama	RE	....E		6/93	5/92	2/93	3/93	7/92	1/92	3/92	5/92			6/93		
11804000	Montclai	Lombard	Start:N	RE	....E		1/93	8/93	2/93	3/93	8/93	2/93	8/93	8/93			8/93		
11811000	Montecit	Northwoo	Eastwood	MF	BSSR	10/92												12/18/92	12/18/95
11816208	Monterey	Gennesse	Ridgwood	MF	PMMS		9/92	8/93	7/93	7/93	8/93		8/93	8/93					
11816221	Monterey	Northgat	Westgate	mf	BSSR	7/94	9/92	9/91	8/91	6/94	8/91	7/91	9/91	8/91			6/94		
11816227	Monterey	SanBenit	SantaAna	MF	7260E		8/93	3/90	9/90	10/89	10/89	-	9/91	8/91					
11816228	Monterey	SantaAna	SanLeand	MF	7260E		8/93	3/90	9/90	10/89	10/89	-	9/91	8/91					
11816229	Monterey	SanLeand	SanFerna	MF	BSSR													07/18/91	07/18/94
11816230	Monterey	SanFerna	SanRafae	MF	BSSR													07/18/91	07/18/94
11816231	Monterey	SanRafae	JunipSer	MF	BSSR													04/01/92	04/01/95
11841000	Montgome	Union	Filbert	RE	6424E	7/91												03/15/92	03/15/95
11842000	Montgome	Filbert	Greenwic	RE	6424E	7/91												03/15/92	03/15/95
11848000	Monticel	Sargent	Shields	MF	BSSR	10/92												10/26/92	10/26/95
11849000	Monticel	Shields	Garfield	MF	BSSR											Slurry1991		11/05/91	11/05/94
11850000	Monticel	Garfield	Holloway	MF	BSSR											Slurry1990		11/06/91	11/06/94
11865000	Moraga	16thAve	17thAve	RE	....E		7/93	8/93	3/93	3/93	8/93	7/93	8/93	8/93			8/93		
11876000	Moraga	27thAve	28thAve	JT	AWSS	11/92	6/93	8/93	4/93	10/92	4/93	11/92	1/94	8/93			1/94		
11914000	Morris	Harrison	Bryant	MF	BSSR		GP/94	5/92	8/92	1/92	7/92	9/93	3/92	5/92					
11923000	Morse	Curtiss	Pope	MF	BSSR													08/23/90	08/23/93

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11924000	Morse	Pope	Allison	MF	BSSR		12/92	5/92	2/92	1/92	7/92	11/92	3/92	5/92			12/92		
11930000	Morse	Lowell	Mission	MF	BSSR		LK	4/86	3/86	1/92	6/86	11/92	3/92	5/92					
11933000	Moscow	Excelsio	Brazil	MF	BSSR													07/23/93	07/26/96
11942000	Moss	Folsom	Howard	mf	BSSR		GP/93	9/90	3/92	5/91	1/91	1/92	9/91	8/91					
11949000	Moultrie	Powhatta	Eugenia	MF	BSSR													01/04/93	01/04/96
11950000	Moultrie	Eugenia	Cortland	MF	BSSR													01/05/93	01/05/96
11955000	Moultrie	Crescent	End	MF	BSSR													08/11/93	08/11/96
11973000	MtnSprin	TwinPeak	Glenbroo	RE	7271E		8/93	5/92	3/93	3/93	7/92	2/93	3/92	5/92			8/93		
11974000	MtnSprin	Glenbroo	End:West	RE	....E		8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
11963000	MtVernon	Cayuga	Delano	MF	BSSR		10/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
11982000	Mullen	Alabama	Peralta	MF	BSSR	*U/C*	6/93	5/92	5/92	1/92	7/92	1/92	3/92	5/92			6/93		
11983000	Mullen	Peralta	Franconi	MF	BSSR														
11988000	Munich	Excelsio	Brazil	MF	BSSR		GP/94	3/90	9/90	10/89	1/90	-	9/91	8/91					
12000000	Murray	Mission	Genebern	MF	BSSR													08/25/93	08/25/96
12001000	Murray	Genebern	College	MF	BSSR													08/25/93	08/25/96
12002000	Murray	College	Justin	MF	BSSR		7/93											08/25/93	08/25/96
12005000	Murray	Crescent	Richland	MF	BSSR		7/92	9/90	8/92	10/89	10/89	-	9/91	8/91					
12051000	Naglee	Mission	Ellingto	MF	BSSR		11/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92		Slurry1992	11/92		
12052000	Naglee	Ellingto	Huron	MF	BSSR		10/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92		Slurry1992	11/92		
12058000	Nahua	Delano	MtVernon	RE	....E		10/92	8/93	3/93	4/93	10/89	2/93	9/91	8/91			8/93		
12059000	Nahua	Otega	MtVernon	MF	PMMS		10/92	8/93	7/93	7/93	8/93		8/93	8/93					
12079000	Naples	Rolph	Athens	MF	BSSR													07/10/90	07/10/93
12081000	Naples	Athens	Seville	MF	BSSR													07/10/90	07/10/93
12088000	Natick	Chenery	Arlingtn	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
12093000	Natoma	1stSt	2ndSt	MF	7041E	6/94	GP/93	5/92	8/92	9/94	7/92		3/92	5/92					
12094000	Natoma	2ndSt	NewMontg	mf	7041E	6/94	GP/93	6/89	6/89	9/94	6/89	-	9/91	8/91					
12101000	Natoma	7thSt	8thSt	MF	7041E	6/94	12/92	5/92	10/94	9/91	9/91	9/91	9/91	8/91		**CONFLICT**	10/94		
12102000	Natoma	8thSt	9thSt	mf	BSSR		12/92	5/92	10/94	9/91	9/91	9/91	9/91	8/91			10/94		
12104000	Natoma	10thSt	11thSt	MF	BSSR		11/92	5/92	8/92	9/91	9/91	9/91	9/91	8/91			11/92		
12105000	Natoma	11thSt	Lafayett	MF	BSSR		11/92	5/92	8/92	9/91	9/91	9/91	9/91	8/91			11/92		
12105001	Natoma	LaFayett	End	mf	7041E	6/94	11/92	5/92	8/92	9/91	9/91	9/91	9/91	8/91			11/92		
12127000	Nebraska	Cortland	Powhatta	MF	BSSR													07/11/91	07/11/94

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12130000	Nellie	23rdSt	Elizabet	RE	....E		8/93	8/93	2/93	3/93	8/93	2/93	8/93	8/93			8/93		
12137000	Nevada	Powhatta	Cortland	MF	BSSR		2/93	5/92	8/92	9/95	9/91	7/91	9/91	8/91			9/95		
12138000	Nevada	Cortland	Jarboe	RE	....E		2/93	4/86	2/93	6/94	6/86	7/91	9/91	8/91			6/94		
12151000	Newburg	Duncan	27thSt	MF	7316E		8/93	5/92	5/92	1/92	7/92	1/92	3/92	5/92			8/93		
12154000	Newcomb	Keith	Lane	MF	BSSR		6/86	8/85	7/85	5/85	7/85								
12186000	Newhall	Bayview	Topeka	MF	BSSR														
12143000	NewMontg	Market	Mission	MF	6691E	9/93	2/93	5/92	3/86	9/91	6/86	7/91	12/91	8/91			2/93		
12147000	NewMontg	Mission	Howard	MF	6691E	9/93	4/93	5/92	3/86	3/94	6/86	7/91	9/91	8/91		Int not incld	3/94		
12198000	Newton	Brunswic	Morse	MF	BSSR		11/92	5/92	3/86	1/92	6/86		3/92	5/92					
12197000	Newton	Morse	Rolph	MF	BSSR		LK	5/92	3/92	1/92	7/92	7/93	3/92	5/92					
12208000	Niagara	Cayuga	Delano	MF	BSSR		12/92	5/92	3/86	1/92	2/86	11/92	3/92	5/92			12/92		
12209000	Niagara	Delano	SanJose	MF	BSSR		10/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
12213000	Niagara	SanMigue	Tara	MF	7316E		10/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
12214000	Niagara	Tara	Louisbur	MF	7316E		10/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
12215000	Niagara	Louisbur	Howth	MF	7316E		10/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
12232000	Nobles	St:East	Grant	MF	PMMS		1/93	8/93	7/93	7/93	8/93		8/93	8/93					
12240000	Noe	Market	17thSt	RE	FLine	1/91	GP/92	12/90	9/91	6/90	7/90	7/90	9/91	8/91					
12248000	Noe	Liberty	21stSt	RE	7262E	6/94	8/93	12/85	12/94	3/93	2/86	-	8/93	8/93					
12264000	Noe	Valley	29thSt	RE	....E		LK	8/93	2/93	3/93	8/93	7/93	8/93	8/93					
12276000	Noriega	9thAve	10thAve	MF	BSSR		5/93	8/93	8/93		8/93		8/93	8/93					
12277000	Noriega	10thAve	11thAve	MF	7168E	9/93	LK	5/92	10/91	9/91	9/91	7/91	9/91	8/91		Gas Problem			
12028000	NorthPoi	Powell	Mason	F	PMMS		1/93	8/93	7/93	7/93	8/93	9/93	8/93	8/93			9/93		
12039000	NorthPoi	Buchanan	Webster	OL	6004Q	1/90												07/10/90	07/10/93
12040000	NorthPoi	Webster	Fillmore	OL	6004Q	1/90												07/10/90	07/10/93
12043010	NorthPoi	Scott	Divisadr	JT	AWSS	2/93	4/93	8/93	2/93	10/92	4/93	11/92	4/94	8/93			4/94		
12342000	Norton	Alemany	Mission	MF	BSSR													05/21/93	05/21/96
12344000	Norwich	Alabama	Harrison	MF	BSSR		6/93	5/92	5/92	1/92	7/92	1/92	3/92	5/92		Slurry 10/93	6/93		
12426000	Oakdale	Mendell	3rdSt	MF	BSSR		6/93	5/92	5/92	1/92	7/92	1/92	3/92	5/92			6/93		
12427000	Oakdale	3rdSt	Newhall	MF	BSSR		6/93	3/89	8/88	9/88	8/88	-	9/91	8/91					
12429000	Oakdale	Phelps	Quint	MF	6451E	10/90												08/15/90	08/15/93
12431000	Oakdale	Quint	Rankin	MF	6451E	10/90												08/15/90	08/15/93
12432000	Oakdale	Rankin	Selby	MF	6451E	10/90												08/15/90	08/15/93

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12433000	Oakdale	Selby	Toland	MF	6451E	10/90												08/15/90	08/15/93
12435000	Oakdale	Toland	Barnevel	MF	6451E	10/90												08/15/90	08/15/93
12437000	Oakdale	Barnevel	Loomis	MF	6451E	10/90												08/15/90	08/15/93
12439000	Oakdale	Loomis	Bayshore	MF	6451E	10/90												08/15/90	08/15/93
12389000	OakPark	Christop	LakeFore	RE	....E		8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
12467000	Ocean	SanJose	2800nRmp	MF	....E		LK	12/91	3/86	3/89	6/86	-	3/94	8/91					
12469000	Ocean	Howth	Freeway	MF	....E		LK	12/91	3/89	3/89	4/89	-	3/94	8/91					
12472000	Ocean	Howth	Phelan	MF	....E		LK	12/91	3/86	3/89	6/86	3/93	3/94	8/91					
12474000	Ocean	Phelan	Harold	MF	7291E	6/94	GP/93	12/91	3/86	3/89	6/86	3/93	3/94	8/91					
12475000	Ocean	Harold	Lee	MF	7291E	6/94	GP/93	12/91	3/86	3/89	6/86	3/93	3/94	8/91					
12476000	Ocean	Lee	Brighton	MF	7291E	6/94	GP/93	12/91	3/89	3/89	4/89	-	3/94	8/91					
12477000	Ocean	Brighton	Plymouth	MF	7291E	6/94	GP/93	12/91	3/89	3/89	4/89	-	3/94	8/91					
12479000	Ocean	Plymouth	Granada	MF	7291E	6/94	GP/93	12/91	3/89	3/89	4/89	-	3/94	8/91					
12481000	Ocean	Granada	Miramar	MF	7291E	6/94	GP/93	12/91	3/86	3/89	6/86	-	3/94	8/91					
12482000	Ocean	Miramar	Capitol	MF	7291E	6/94	GP/93	12/91	3/89	3/89	4/89	3/93	3/94	8/91					
12483000	Ocean	Capitol	Faxon	MF	7291E	6/94	GP/93	12/91	3/86	3/89	6/86	3/93	3/94	8/91					
12485000	Ocean	Faxon	Jules	MF	7291E	6/94	GP/93	12/91	3/86	3/89	6/86	3/93	3/94	8/91					
12486000	Ocean	Jules	Ashton	MF	7291E	6/94	GP/93	12/91	3/86	3/89	6/86	3/93	3/94	8/91					
12487000	Ocean	Ashton	Keystone	MF	7291E	6/94	GP/93	12/91	3/86	4/85	6/86	-	3/94	8/91					
12488000	Ocean	Keystone	Fairfiel	MF	7291E	6/94	GP/93	12/91	3/89	3/89	4/89	-	3/94	8/91					
12490000	Ocean	Fairfiel	Lakewood	MF	7291E	6/94	GP/93	12/91	3/89	3/89	4/89	-	3/94	8/91					
12491000	Ocean	Lakewood	Manor	MF	7291E	6/94	LK	12/91	3/86	3/89	6/86	3/93	3/94	8/91					
12492000	Ocean	Manor	Pinehurs	MF	7291E	6/94	LK	12/91	3/86	3/89	6/86	-	3/94	8/91					
12493000	Ocean	Pinehurs	Westgate	MF	7291E	6/94	LK	12/91	3/89	3/89	4/89	-	3/94	8/91					
12495000	Ocean	Westgate	Aptos	MF	7291E	6/94	LK	12/91	3/86	3/89	6/86	-	3/94	8/91					
12496000	Ocean	Aptos	SanBenit	MF	7291E	6/94	LK	12/91	3/86	3/89	6/86	-	3/94	8/91					
12498000	Ocean	SanBenit	SantaAna	MF	7291E	6/94	LK	12/91	3/86	3/89	6/86	-	3/94	8/91					
12499000	Ocean	SantaAna	SanLeand	MF	7291E	6/94	LK	12/91	3/86	3/89	6/86	-	3/94	8/91					
12500000	Ocean	SanLeand	SanFerna	MF	7291E	6/94	LK	12/91	3/86	3/89	6/86	-	3/94	8/91					
12501000	Ocean	SanFerna	JunipSer	MF	7291E	6/94	LK	12/91	3/86	3/89	6/86	-	8/93	8/91					
12531000	Octavia	Market	Haight	MF	PMMS			1/87	3/86		9/91	9/91	9/91	8/91					
12535000	Octavia	Page	Oak	MF	PMMS			1/87	3/86		6/87	9/91	9/91	8/91					

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PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
12537000	Octavia	Oak	Fell	MF	PMMS						9/91	9/91	9/91	8/91					
12539000	Octavia	Fell	Hayes	MF	PMMS						9/91	9/91	9/91	8/91					
12549000	Octavia	Bush	Pine	MF	BSSR													07/13/92	07/13/95
12550000	Octavia	Pine	Californ	MF	BSSR		LK	1/87	3/86	6/92	6/87	7/91	9/91	8/91					
12558000	Octavia	Green	Union	mf	BSSR	11/92												11/17/92	11/17/95
12562000	Octavia	Lombard	Chestnut	MF	BSSR													09/22/92	09/22/95
12364000	OFarrell	Hyde	Leavenwo	mf	BSSR	10/92												11/10/92	11/10/95
12370000	OFarrell	Webster	Hollis	MF	BSSR		5/93	5/92	3/92	1/92	7/92		3/92	5/92					
12378000	OFarrell	Broderic	StJoseph	MF	BSSR		5/88	4/85	3/86	6/87	6/86	6/87							
12568000	Ogden	Anderson	Ellswort	MF	BSSR	*U/C*	2/93	5/92	8/92	1/92	7/92	11/92	3/92	5/92			2/93		
12571000	Ogden	Folsom	Banks	MF	BSSR	*U/C*	2/93	5/92	8/92	1/92	7/92	6/92	3/92	5/92			2/93		
12580000	Olive	Larkin	Polk	MF	BSSR		GP/93	8/93			8/93		8/93	8/93					
12591000	Olmstead	SanBruno	Girard	MF	BSSR		GP/94	5/92	8/92	1/92	7/92		3/92	5/92					
12600000	Olympia	Panorama	Dellbroo	MF	7271E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
12617000	Onondaga	Mission	Alemany	MF	BSSR		11/92	4/94	10/91	9/91	9/91	7/91	3/94	8/91		Slurry1991	4/94		
12619000	Onondaga	Alemany	Cayuga	MF	BSSR		12/92	4/94	10/89	7/89	1/90	11/92	3/94	8/91			4/94		
12626000	Ora Way	GoldMine	Topay Wy	RE	....E		8/93	8/93	2/93	3/93	8/93	2/93	8/93	8/93			8/93		
12635000	OrdCt	St:West	VulcanSw	RE	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
12638000	OrdSt	17thSt	Corbett	MF	7271E		8/93	5/92	3/92	1/92	7/92	1/92	3/92	5/92			8/93		
12640000	OrdSt	Market	18thSt	MF	7271E		8/93	5/92	3/92	1/92	7/92	1/92	3/92	5/92			8/93		
12644000	Ordway	Brussels	Goetting	RE	....E		12/92	4/90	3/93	3/93	1/90	2/93	9/91	8/91			3/93		
12654000	Orizaba	DeLong	St:South	RE	PMMS		10/92	8/93	7/93	7/93	8/93		8/93	8/93					
12663000	Orizaba	Farallon	Lobos	MF	BSSR													07/22/91	07/22/94
12668000	Orizaba	Montana	Thrift	RE	6261E	10/89												08/03/90	08/03/93
12672000	Orizaba	Garfield	Holloway	MF	BSSR													07/23/91	07/23/94
12677000	Ortega	10thAve	11thAve	RE	BSSR		5/93	5/92	3/93	3/93	7/92	1/92	3/92	5/92			5/93		
12678000	Ortega	11thAve	Aerial	MF	PMMS		5/93	8/93	7/93	7/93	8/93		8/93	8/93					
12721000	Osage	24thSt	25thSt	RE	....E		7/93	8/93	2/93	3/93	8/93	2/93	8/93	8/93			8/93		
12385201	OShaughn	Portola	Malta	mf	....E	6/95	6/93	8/93	3/93	4/93	8/93	3/93	8/93	8/93			8/93		
12385205	OShaughn	Malta	Bosworth	mf	....E	6/95	8/93	8/93	3/93	4/93	8/93	3/93	8/93	8/93			8/93		
12776311	Pacheco	9thAve	10thAve	MF	BSSR		5/93	5/92	3/86	1/92	6/86	1/92	3/92	5/92			5/93		
12776315	Pacheco	Aerial	Cascade	MF	BSSR													09/03/92	09/03/95

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12820000	Pacific	Kearny	Grant	mf	BSSR		GP/95	9/89	3/86	5/94	6/86	10/89	9/91	8/91					
12822000	Pacific	Grant	Stockton	mf	BSSR		GP/95	9/89	8/92	5/94	7/90	10/89	9/91	8/91					
12832000	Pacific	Powell	Mason	mf	BSSR		GP/93	8/93	6/93	1/93	4/93	NO	8/93	8/93		Broken Sewer			
12833000	Pacific	Mason	Taylor	mf	6428E	9/93	GP/93	8/93	6/93	1/93	4/93	3/93	8/93	8/93					
12834000	Pacific	Taylor	Jones	mf	6428E	9/93	GP/93	8/93	6/93	1/93	4/93	3/93	8/93	8/93					
12835000	Pacific	Jones	Leavenwr	MF	6428E	9/93	GP/93	12/93	6/93	1/93	4/93	3/93	8/93	8/93					
12836000	Pacific	Leavenwr	Hyde	MF	6428E	9/93	GP/93	8/93	6/93	1/93	4/93	11/92	8/93	8/93					
12841000	Pacific	Hyde	Larkin	MF	6428E	9/93	GP/93	8/93	3/93	3/93	4/93	11/92	8/93	8/93					
12842000	Pacific	Larkin	Polk	mf	6428E	9/93	GP/93	8/93	6/93	1/93	4/93	11/92	8/93	8/93					
12843000	Pacific	Polk	VanNess	MF	6428E	9/93	GP/93	8/93	6/93	6/93	4/93	3/93	8/93	8/93					
12853000	Pacific	Scott	Pierce	MF	BSSR		LK	5/92	2/92	1/92	7/92	1/92	3/92	5/92					
12885000	Page	Broderic	Baker	MF	BSSR		LK	1/87	3/86	4/92	6/86	1/92	3/92	5/92					
12886000	Page	Baker	Lyon	MF	BSSR		LK	1/87	3/86	7/87	6/86	1/92	3/92	5/92					
12887000	Page	Lyon	Central	MF	PMMS		LK	8/93	7/93	7/93	8/93	7/93	8/93	8/93					
12891000	Page	Clayton	Cole	MF	BSSR		6/93	1/87	3/86	6/87	6/86	NO	3/92	5/92					
12892000	Page	Cole	Shrader	MF	BSSR		6/93	1/87	3/86	6/87	6/86	NO	3/92	5/92					
12952000	Panorama	TwinPeak	MtnView	RE	....E		6/93	8/93	3/93	4/93	9/91	2/93	9/91	8/91			6/93		
12965000	Paradise	Burnside	Elk	MF	7316E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
12978000	Paris	France	Italy	MF	BSSR	*U/C*	11/92	4/86	3/86	9/91	6/86	7/91	9/91	8/91			11/92		
12979000	Paris	Italy	Amazon	MF	BSSR	*U/C*	11/92	5/92	10/91	9/91	9/91	7/91	9/91	8/91			11/92		
12983000	ParkHill	Roosevel	BuenaVis	MF	7271E		8/93	5/92	10/91	9/91	9/91	7/91	9/91	8/91			8/93		
13015000	Parkhurs	Clay	End	MF	7271E		3/93	5/92	8/92	1/92	7/92	11/92	3/92	5/92			3/93		
13040000	Parque	Cielito	Geneva	MF	BSSR		5/93	5/92	10/91	9/91	9/91	7/91	9/91	8/91			5/93		
13046000	Pasadena	Velasco	Geneva	MF	PMMS		LK	8/93	7/93	7/93	8/93		8/93	8/93					
13053000	Patton	Highland	Appleton	MF	BSSR		7/93	5/92	8/92	1/92	7/92		3/92	5/92					
13069000	Payson	Chester	StCharle	MF	BSSR		LK	4/86	3/86	1/92	6/86	11/92	3/92	5/92					
13076000	Pearl	Duboce	Market	MF	BSSR		6/93	6/91	3/95	1/92	7/92	7/93	3/92	5/92		Sewer Hold	6/95		
13103000	Peralta	Holladay	Hampshir	RE	....E		4/93	4/90	2/93	4/93	10/89	3/93	9/91	8/91			4/93		
13105000	Peralta	Hampshir	York	RE	....E		4/93	8/93	2/93	3/93	8/93	7/93	8/93	8/93			8/93		
13106000	Peralta	York	York	RE	....E		LK	8/93	2/93	3/93	8/93	-	8/93	8/93					
13107000	Peralta	York	Franconi	RE	....E		LK	8/93		4/93	4/93	3/93	8/93	8/93					
13113000	Peralta	Franconi	Florida	RE	....E		LK	4/90	4/93	4/93	10/89	-	9/91	8/91					

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13109000	Peralta	Florida	Mullen	RE	....E		6/93	8/93	2/93	3/93	8/93	2/93	8/93	8/93			8/93		
13153000	Peru	Naples	Vienna	MF	BSSR							9/93							
13177000	Phelps	Davidson	Evans	MF	BSSR													06/25/91	06/25/94
13188000	Phelps	Newcomb	Oakdale	MF	BSSR		5/93	5/92	3/92	9/91	9/91	7/91	9/91	8/91			5/93		
13203000	Pierce	End	Waller	MF	....E		6/93	3/86	3/86	1/92	6/86	7/93	3/92	5/92		Sewer Hold	7/93		
13208000	Pierce	Fell	Hayes	MF	....E		6/93	12/85	8/85	8/85	8/85		6/92	5/92					
13221000	Pierce	Pine	Californ	MF	....E		LK	4/86	3/86	5/95	6/86	1/92	3/92	5/92					
13223000	Pierce	Californ	Sacramen	MF	....E		3/93	4/86	3/86	5/95	6/86	1/92	3/92	5/92			5/95		
13234000	Pierce	Lombard	Chestnut	MF	PMMS			4/86	3/86	10/86	6/86	10/86							
13246000	Pine	Battery	Sansome	MF	....E		2/93	3/90	2/93	5/94	4/89	-	8/93	8/93		High Priority			
13247000	Pine	Sansome	Century	MF	....E		3/93	6/89	2/93	5/94	4/89		9/91	8/91		High Priority			
13248000	Pine	Century	Leidesdo	mf	....E		3/93	8/93	2/93	3/93	8/93		8/93	8/93		High Priority			
13250000	Pine	Leidesdo	Petrarch	mf	....E		3/93	8/93	2/93	3/93	8/93		8/93	8/93		High Priority			
13251000	Pine	Petrarch	Montgome	mf	....E		3/93	8/93	2/93	3/93	8/93		8/93	8/93		High Priority			
13252000	Pine	Montgome	Belden	MF	....E		3/93	6/89	2/93	5/94	4/89		9/91	8/91		High Priority			
13253000	Pine	Belden	Kearney	mf	....E		3/93	8/93	2/93	5/94	8/93		8/93	8/93		High Priority			
13257000	Pine	Kearny	Grant	MF	....E		3/93	6/89	2/93	5/94	4/89		9/91	8/91		High Priority			
13258000	Pine	Grant	Stockton	MF	....E		3/93	12/89	2/93	5/94	4/89	-	9/91	8/91		High Priority			
13261000	Pine	Stockton	Powell	MF	....E		3/93	6/89	2/93	3/93	4/89	-	9/91	8/91		High Priority			
13262000	Pine	Powell	Mason	MF	....E		3/93	6/89	2/93	3/93	4/89	NO	9/91	8/91		High Priority			
13264000	Pine	Mason	Taylor	MF	....E		3/93	10/91	3/93	3/93	6/86	3/93	9/91	8/91		High Priority	3/93		
13265000	Pine	Taylor	Jones	MF	6538E	9/91												03/23/92	03/23/95
13267000	Pine	Jones	Leavenwo	MF	6538E	9/91												03/23/92	03/23/95
13268000	Pine	Leavenwo	Hyde	MF	6538E	9/91												03/23/92	03/23/95
13269000	Pine	Hyde	Larkin	MF	6538E	9/91												03/23/92	03/23/95
13271000	Pine	Polk	VanNess	mf	6538E	9/91												03/23/92	03/23/95
13272000	Pine	VanNess	Franklin	MF	6538E	9/91												03/23/92	03/23/95
13273000	Pine	Franklin	Gough	MF	6538E	9/91												03/23/92	03/23/95
13274000	Pine	Gough	Octavia	MF	6538E	9/91												03/23/92	03/23/95
13275000	Pine	Octavia	Laguna	MF	6538E	9/91												03/23/92	03/23/95
13276000	Pine	Laguna	Buchanan	MF	6538E	9/91												03/23/92	03/23/95
13277000	Pine	Buchanan	Webster	MF	6538E	9/91												03/23/92	03/23/95

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13279000	Pine	Webster	Fillmore	MF	6538E	9/91												03/23/92	03/23/95
13280000	Pine	Fillmore	Steiner	MF	6538E	9/91												03/23/92	03/23/95
13281000	Pine	Steiner	Pierce	MF	6538E	9/91												03/23/92	03/23/95
13282000	Pine	Pierce	Scott	MF	6538E	9/91												03/23/92	03/23/95
13283000	Pine	Scott	Divisade	MF	6538E	9/91												03/23/92	03/23/95
13284000	Pine	Divisade	Broderic	MF	6538E	9/91												03/23/92	03/23/95
13285000	Pine	Broderic	Baker	MF	6538E	9/91												03/23/92	03/23/95
13286000	Pine	Baker	Lyon	MF	6538E	9/91												03/23/92	03/23/95
13287000	Pine	Lyon	Presidio	MF	6538E	9/91									11/94			03/23/92	03/23/95
13324000	Plymouth	Montana	Thrift	MF	BSSR		10/92	3/90	10/89	7/89	10/89	11/92	3/92	5/92			11/92		
13325000	Plymouth	Thrift	Lakeview	MF	BSSR													08/14/92	08/14/95
13328000	Plymouth	Ocean	SanRamon	MF	BSSR		9/92	5/92	2/92	1/92	7/92	1/92	5/94	5/92			5/94		
13328000	Plymouth	SanRamon	Wildwood	MF	BSSR													07/21/93	07/21/96
13351000	Polk	Fell	Hayes	MF	6679E	8/93	GP/93	5/92	3/86	9/91	6/86	7/91	9/91	8/91					
13352000	Polk	Hayes	Grove	MF	6679E	8/93	GP/93	5/92	8/86	9/91	6/86	7/91	9/91	8/91					
13354000	Polk	Grove	McAllist	mf	6679E	8/93	GP/93	5/92	3/86	7/92	6/86	7/91	9/91	8/91					
13355000	Polk	McAllist	GoldenGa	mf	6679E	8/93	GP/93	5/92	10/91	7/92	9/91	7/91	9/91	8/91					
13357000	Polk	GoldenGa	Turk	MF	6679E	8/93	GP/93	7/90	3/86	7/92	6/86	10/88	9/91	8/91					
13359000	Polk	Turk	Eddy	mf	6679E	8/93	GP/93	9/92	10/91	7/92	9/91	JT	9/91	8/91					
13361000	Polk	Eddy	Ellis	mf	6679E	8/93	GP/93	5/92	10/91	7/92	9/91	7/91	9/91	8/91					
13363000	Polk	Ellis	OFarrell	mf	6679E	8/93	GP/93	5/92	10/91	7/92	9/91	7/91	9/91	8/91					
13365000	Polk	OFarrell	Geary	mf	6679E	8/93	4/93	5/92	10/91	7/92	9/91	7/91	9/91	8/91			4/93		
13367000	Polk	Geary	Post	MF	6679E	8/93	4/93	5/92	3/86	7/92	6/86	7/91	9/91	8/91			4/93		
13369000	Polk	Post	Sutter	MF	6679E	8/93	4/93	5/92	3/86	7/92	6/86	7/91	9/91	8/91			4/93		
13371000	Polk	Sutter	Bush	mf	6679E	8/93	2/93	5/92	10/91	7/92	9/91	7/91	9/91	8/91			2/93		
13373000	Polk	Bush	Pine	MF	6679E	8/93	2/93	5/92	3/86	7/92	6/86	7/91	9/91	8/91			2/93		
13374000	Polk	Pine	Californ	MF	6679E	8/93	2/93	5/92	3/86	7/92	6/86	7/91	9/91	8/91			2/93		
13375000	Polk	Californ	Sacramen	mf	6679E	8/93	2/93	5/92	3/86	7/92	6/86	7/91	2/92	8/91			2/93		
13376000	Polk	Sacramen	Clay	mf	6679E	8/93	2/93	5/92	3/86	7/92	6/86	7/91	2/92	8/91			2/93		
13377000	Polk	Clay	Washingt	mf	6679E	8/93	2/93	5/92	10/91	7/92	9/91	7/91	2/92	8/91		Gas Problem	2/93		
13378000	Polk	Washingt	Jackson	mf	6679E	8/93	2/93	5/92	10/91	7/92	9/91	7/91	2/92	8/91			2/93		
13379000	Polk	Jackson	Pacific	MF	6679E	8/93	2/93	5/92	3/86	7/92	6/86	7/91	2/92	8/91			2/93		

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PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
13380000	Polk	Pacific	Broadway	MF	6679E	8/93	2/93	5/92	3/86	7/92	6/86	7/91	2/92	8/91			2/93		
13381000	Polk	Broadway	Vallejo	mf	6679E	8/93	2/93	5/92	10/91	7/92	9/91	7/91	2/92	8/91			2/93		
13382000	Polk	Vallejo	Green	mf	6679E	8/93	1/93	5/92	10/91	7/92	9/91	7/91	2/92	8/91			1/93		
13384000	Polk	Green	Union	MF	6679E	8/93	1/93	5/92	3/86	7/92	6/86	7/91	2/92	8/91			1/93		
13385000	Polk	Union	Filbert	mf	6679E	8/93	1/93	5/92	10/91	7/92	9/91	7/91	2/92	8/91			1/93		
13386000	Polk	Filbert	Greenwic	MF	6679E	8/93	1/93	5/92	3/86	7/92	6/86	8/93	2/92	8/91			8/93		
13387000	Polk	Greenwic	Lombard	MF	6679E	8/93	1/93	5/92	3/86	7/92	6/86	7/91	2/92	8/91			1/93		
13388000	Polk	Lombard	Chestnut	mf	6679E	8/93	1/93	5/92	10/91	7/92	9/91	7/91	2/92	8/91			1/93		
13389000	Polk	Chestnut	Francisc	MF	6679E	8/93	1/93	5/92	3/86	7/92	6/86	7/91	2/92	8/91			1/93		
13390000	Polk	Francisc	Bay	MF	6679E	8/93	1/93	5/92	3/86	7/92	6/86	7/91	2/92	8/91			1/93		
13391000	Polk	Bay	NorthPoi	mf	6679E	8/93	1/93	5/92	10/91	7/92	9/91	7/91	2/92	8/91			1/93		
13392000	Polk	NorthPoi	Beach	MF	6679E	8/93	4/93	5/92	3/86	7/92	6/86	7/91	9/91	8/91			4/93		
13405000	Pope	Brunswic	Hanover	MF	BSSR													06/14/93	06/14/96
13442000	Portola	Claremon	Vicente	AW	6666E	3/93	8/93	5/92	3/92	4/92	7/92	4/92	12/93	5/92			12/93		
13443000	Portola	Vicente	14thAve	AW	6666E	3/93	8/93	5/92	3/92	4/92	7/92	4/92	12/93	5/92			12/93		
13444000	Portola	14thAve	SanFerna	AW	6666E	3/93	7/93	5/92	3/92	4/92	7/92	4/92	12/93	5/92			12/93		
13453000	Post	Montgome	Kearny	mf	7318E		3/93	12/87	12/87	10/91	12/87	-	9/91	8/91					
13510000	Potrero	25thSt	Army	MF	BSSR		GP/93	6/89	7/85	10/88	7/85	2/86	9/91	8/91					
13527000	Powell	Jackson	Pacific	MF	BSSR		GP/94	4/86	3/86	1/92	6/86		3/92	5/92					
13534000	Powell	Union	Columbus	MF	BSSR		GP/94	5/92	8/92	12/92	7/92		3/92	5/92					
13536000	Powell	Filbert	Greenwic	MF	BSSR		1/93	5/92	8/92	12/92	7/92		3/92	5/92					
13535000	Powell	Columbus	Filbert	MF	7318E		1/93	8/93			8/93		8/93	8/93					
13537000	Powell	Greenwic	Lombard	MF	BSSR		1/93	5/92	8/92	12/92	7/92		3/92	5/92					
13543000	Powell	Bay	NorthPoi	MF	BSSR		1/93	5/92	3/86	3/94	6/86	1/92	3/92	5/92			3/94		
13544000	Powell	NorthPoi	Beach	MF	BSSR		1/93	5/92	3/86	3/94	6/86	1/92	3/92	5/92			3/94		
13548000	Powers	Coleridg	Mission	MF	BSSR		8/93	5/92	8/92	1/92	7/92		3/92	5/92					
13554000	Powhatta	Anderson	Ellswort	MF	BSSR													12/23/92	12/23/95
13568000	Prado	Avila	Scott	OL	6001Q	1/90												07/27/90	07/27/93
13585000	Precita	Mission	Coso	MF	PMMS		GP/91	4/90	10/89	8/89	10/89	10/89	9/91	8/91					
13586000	Precita	Coso	Shotwell	MF	PMMS		GP/91	8/90		8/90	7/90	7/91	9/91	8/91					
13587000	Precita	Shotwell	Folsom	MF	PMMS		GP/91	9/89	10/89	7/89	1/90	10/89	9/91	8/91					
13595000	Precita	Harrison	Alabama	MF	BSSR													12/22/92	12/22/95

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13595000	Precita	Alabama	Harrison	MF	BSSR													09/25/92	09/25/95
13608000	Prentiss	Jarboe	Cortland	MF	PMMS			4/86	6/94		6/86								
13630000	Presidio	Pacific	Jackson	MF	....E		GP/94	4/94	6/94	3/89	6/86	-	8/93	8/93	11/94	UGD			
13632000	Presidio	Jackson	Washingt	MF	....E		GP/94	4/94	6/94	3/89	6/86	-	8/93	8/93	11/94	UGD			
13633000	Presidio	Washingt	Clay	MF	....E		GP/94	4/94	6/94	3/89	6/86	-	8/93	8/93	11/94	UGD			
13634000	Presidio	Clay	Sacramen	MF	....E		GP/94	4/94	6/94	3/89	6/86	-	8/93	8/93	11/94	UGD			
13637000	Presidio	Californ	Pine	MF	....E		GP/94	4/94	6/94	12/92	6/86	7/93	8/93	8/93	11/94	UGD			
13638000	Presidio	Pine	Bush	MF	....E		GP/94	4/94	6/94	12/92	6/86	-	8/93	8/93	11/94	UGD			
13639000	Presidio	Bush	Sutter	MF	....E		GP/94	4/94	6/94	12/92	6/86	-	8/93	8/93	11/94	UGD			
13640000	Presidio	Sutter	Post	MF	....E		GP/94	4/94	6/94	12/93	6/86	3/93	8/93	8/93	11/94	UGD			
13641000	Presidio	Post	Geary	MF	....E		GP/94	4/94	6/94	12/93	6/86	-	8/93	8/93	11/94	UGD			
14363000	PriceRow	Union	End:s	MF	BSSR		GP/94	5/92	2/92	1/92	7/92	1/92	3/92	5/92					
14393000	Putnam	Jarboe	Tompkins	RE	6261E	10/89												08/03/90	08/03/93
14411000	Quesada	3rdSt	Newhall	MF	BSSR													09/21/93	09/21/95
14416000	Quesada	Rankin	Selby	MF	BSSR													09/17/93	09/17/96
14434000	Quint	Revere	Maddux	re	....E		LK	8/93	2/93	3/93	8/93	2/93	8/93	8/93		High Priority			
14435000	Quint	Maddux	Thomas	re	....E		LK	5/92	2/93	3/93	7/92	2/93	3/92	5/92		High Priority			
14456000	Quintara	20thAve	21stAve	mf	BSSR													09/02/92	09/02/95
14463000	Quintara	27thAve	28thAve	MF	BSSR		7/93	8/93	8/93		8/93		8/93	8/93					
14465000	Quintara	29thAve	30thAve	MF	BSSR		7/93	4/86	3/86	1/92	6/86	11/92	6/92	5/92			7/93		
14510000	Ramsell	Randolph	Sargent	re	6668E	6/92												08/19/92	08/19/95
14520000	Randall	Chenery	Whitney	MF	BSSR		7/93	5/92	8/92	1/95	7/92		3/92	5/92					
14522000	Randall	Whitney	Sanchez	OL	BSSR	*U/C*	7/93	5/92	8/92	1/92	7/92	7/93	3/92	5/92			7/93		
14538000	Rankin	Custer	Islais	MF	BSSR		9/92	3/89	3/86	2/89	6/86	11/92	3/92	5/92			11/92		
14550000	Rankin	Palou	Quesada	MF	BSSR		5/93	5/92	8/92	1/92	7/92	11/92	3/92	5/92			5/93		
14636000	Revere	Silver	Rankin	MF	BSSR		5/93	5/92	8/92	1/92	7/92	11/92	3/92	5/92			5/93		
14637000	Revere	Rankin	Selby	MF	BSSR		3/93	9/93	3/86	1/92	6/86	11/92	3/92	5/92			9/93		
14653000	Rhodeisl	Alameda	15thSt	MF	PMMS8		9/85	4/86	3/86		6/86								
14654000	RhodeIsl	15thSt	16thSt	MF	PMMS														
14655000	Rhodeisl	16thSt	17thSt	MF	PMMS		NO	4/86	3/86		6/86								
14656000	Rhodeisl	17thSt	Mariposa	RE	....E		9/92	4/86	12/94	3/93	6/86	-	8/93	8/93					
14661000	RhodeIsl	SouthrnH	22dSt	RE	7254E	12/93	8/93	9/90	4/93	3/93	1/90	2/93	9/91	8/91			8/93		

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14663000	RhodeIsl	23dSt	24thSt	MF	BSSR	*U/C*	8/93	5/92	8/92	1/92	7/92	7/93	6/92	5/92			8/93		
14664000	RhodeIsl	24thSt	25thSt	MF	BSSR		8/93	5/92	8/92	1/92	7/92	7/93	6/92	5/92		Sewer Hold	8/93		
14668000	Rice	SanJose	Delong	MF	7260E		11/92	4/86	3/86	1/92	6/86	11/92	3/92	5/92			11/92		
14682000	Richland	Murray	Andover	MF	BSSR													08/26/91	08/26/94
14687000	Rico	Avila	Retiro	OL	6001Q	1/90												07/27/90	07/27/93
14701000	Ridgwood	Joost	Mangels	re	6424E	7/91												11/15/91	11/15/94
14703000	Rincon	End	Bryant	MF	BSSR		1/93	5/92	8/92	1/92	7/92	NO	3/92	5/92					
14706000	Ringold	8thSt	9thST	MF	PMMS		12/92	8/93	7/93	7/93	8/93		8/93	8/93					
14740000	Rivera	24thAve	25thAve	MF	BSSR		6/93	5/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		
14741000	Rivera	25thAve	26thAve	MF	BSSR		6/93	5/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		
14743000	Rivera	27thAve	28thAve	JT	AWSS	11/92	LK	8/93	11/92	10/92	4/93	11/92	1/94	8/93					
14770000	Rivoli	Belveder	Cole	MF	BSSR		7/93	5/92	3/86	1/92	6/86		3/92	5/92					
14772000	Rivoli	Shrader	Stanyan	MF	BSSR		7/93	5/92	3/86	1/92	6/86		3/92	5/92					
14782000	Roanoke	Laidley	Chenery	MF	BSSR		7/93	9/90	9/90	10/89	10/89	-	3/92	5/92					
14783000	Roanoke	Chenery	Arlingto	MF	7316E		7/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			7/93		
14800000	Rockdale	Omar	Reposa	MF	7316E		9/92	5/92	3/92	1/92	7/92	1/92	3/92	5/92			9/92		
14826000	Rolph	Naples	Athens	MF	PMMS														
14832000	Rolph	SouthHil	End:E	MF	BSSR													08/07/90	08/07/93
14839000	Rome	End	MtVernon	MF	BSSR		12/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92		Slurry1991	12/92		
14843000	Rome	End	Cayuga	MF	BSSR		10/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92		Slurry1991	11/92		
14867000	Roscoe	Benton	Crescent	MF	BSSR		7/93	4/86	3/86	1/92	6/86		3/92	5/92					
14900000	Rotteck	Bosworth	Mirando	MF	BSSR		8/93	5/92	3/92	1/92	7/92	7/93	6/92	5/92		Sewer Hold	8/93		
14902000	Rotteck	Still	Cayuga	MF	BSSR		9/92	5/92	3/92	1/92	7/92	7/93	3/92	5/92			7/93		
14905000	Rousseau	Bosworth	Mirando	MF	BSSR		LK	5/92	3/92	1/92	7/92	11/92	6/92	5/92		PGE & CW Hold			
14940000	Rutland	Harkness	Wilde	MF	7045E	8/92												08/19/92	08/19/95
14941000	Rutland	Wilde	Tioga	MF	7045E	8/92												08/19/92	08/19/95
14942000	Rutland	Tioga	Tucker	MF	7045E	8/92												08/19/92	08/19/95
14943000	Rutland	Tucker	Campbell	MF	7045E	8/92												08/19/92	08/19/95
14944000	Rutland	Campbell	Teddy	MF	7045E	8/92												08/19/92	08/19/95
14945000	Rutland	Teddy	Arleta	MF	7045E	8/92												08/19/92	08/19/95
14946000	Rutland	Arleta	Raymond	MF	7045E	8/92												08/19/92	08/19/95
14947000	Rutland	Raymond	Leland	MF	7045E	8/92												08/19/92	08/19/95

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14949000	Rutland	Leland	Visitaci	MF	7045E	8/92												08/19/92	08/19/95
14950000	Rutland	Visitaci	Sunnydal	MF	7045E	8/92												08/19/92	08/19/95
14956000	Rutledge	Massosot	Peralta	MF	PMMS		6/93	8/93	7/93	7/93	8/93		8/93	8/93					
14957000	Rutledge	Alabama	Peralta	mf	6261E	10/89												08/03/90	08/03/93
15034000	Sacramen	Sansome	Leidesdf	MF	PMMS		3/93	8/93	7/93	7/93	8/93		8/93	8/93					
15049000	Sacramen	Taylor	Jones	MF	6428E	9/93	3/93	8/93	6/93	10/92	4/93	11/92	8/93	8/93			8/93		
15053000	Sacramen	Jones	Leavenwr	MF	6428E	9/93	3/93	8/93	6/93	1/93	4/93	11/92	8/93	8/93			8/93		
15055000	Sacramen	Leavenwr	Hyde	MF	6428E	9/93	2/93	12/93	6/93	1/93	4/93	11/92	8/93	8/93		**CONFLICT**	12/93		
15056000	Sacramen	Hyde	Larkin	MF	6428E	9/93	2/93	8/93	3/93	3/93	4/93	3/93	8/93	8/93			8/93		
15057000	Sacramen	Larkin	Polk	MF	6428E	9/93	2/93	8/93	6/93	1/93	4/93	11/92	8/93	8/93			8/93		
15058000	Sacramen	Polk	VanNess	MF	6428E	9/93	2/93	12/93	6/93	6/93	4/93	11/92	8/93	8/93		**CONFLICT**	12/93		
15059000	Sacramen	VanNess	Franklin	MF	....E	6/95	GP/93	8/93	3/93	3/93	4/93	11/92	8/93	8/93					
15060000	Sacramen	Franklin	Gough	mf	....E	6/95	GP/93	8/93	3/93	3/93	4/93	11/92	8/93	8/93					
15061000	Sacramen	Gough	Octavia	MF	....E	6/95	GP/93	8/93	3/93	3/93	4/93	2/93	8/93	8/93					
15062000	Sacramen	Octavia	Laguna	MF	....E		GP/93	8/93	3/93	3/93	4/93	2/93	8/93	8/93					
15063000	Sacramen	Laguna	Buchanan	MF	....E		GP/93	12/93	3/93	3/93	4/93	2/93	8/93	8/93					
15064000	Sacramen	Buchanan	Webster	MF	....E	6/95	GP/94	8/93	3/93	3/93	4/93	2/93	8/93	8/93					
15065000	Sacramen	Webster	Fillmore	MF	....E	6/95	GP/94	8/93	3/93	3/93	4/93	2/93	8/93	8/93					
15066000	Sacramen	Fillmore	Steiner	MF	....E	6/95	GP/94	8/93	3/93	3/93	4/93	2/93	8/93	8/93					
15067000	Sacramen	Steiner	Pierce	mf	....E	6/95	GP/94	12/93	3/93	3/93	4/93	2/93	8/93	8/93					
15068000	Sacramen	Pierce	Scott	mf	....E	6/95	GP/94	8/93	3/93	3/93	4/93	11/92	8/93	8/93					
15069000	Sacramen	Scott	Divisade	MF	....E	6/95	GP/94	8/93	3/93	3/93	4/93	2/93	8/93	8/93					
15070000	Sacramen	Divisade	Broderic	MF	....E	6/95	GP/94	12/93	3/93	3/93	4/93	11/92	8/93	8/93					
15071000	Sacramen	Broderic	Baker	MF	....E	6/95	GP/94	8/93	3/93	3/93	4/93	NO	8/93	8/93					
15072000	Sacramen	Baker	Lyon	MF	....E	6/95	GP/94	8/93	3/93	3/93	4/93	1/93	8/93	8/93					
15073000	Sacramen	Lyon	Presidio	mf	....E	6/95	GP/94	12/94	12/94	3/93	4/93	11/92	8/93	8/93					
15074000	Sacramen	Presidio	Walnut	mf	....E	6/95	GP/94	12/94	12/94	3/93	4/93	2/93	8/93	8/93					
15075000	Sacramen	Walnut	Laurel	MF	....E	6/95	GP/94	12/95	12/94	3/93	4/93	NO	8/93	8/93					
15076000	Sacramen	Laurel	Locust	MF	....E	6/95	GP/94	12/95	6/93	3/93	4/93	2/93	8/93	8/93					
15077000	Sacramen	Locust	Spruce	mf	....E	6/95	GP/94	12/96	12/94	3/93	4/93	NO	8/93	8/93					
15078000	Sacramen	Spruce	Maple	MF	....E	6/95	GP/94	12/96	12/94	3/93	4/93	2/93	8/93	8/93					
15084000	Sadowa	Capitol	Orizaba	MF	BSSR	9/92												11/02/92	11/02/95

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15089000	Sagamore	Plymouth	Capitol	MF	BSSR													04/17/92	04/17/95
15090000	Sagamore	Capitol	Orizaba	MF	BSSR													10/03/90	10/03/93
15140000	Sala	Huron	Ellingto	MF	BSSR		12/92	5/92	3/86	1/92	6/86	11/92	3/92	5/92			12/92		
15157000	SanAndre	Monterey	SanAnsel	mf	BSSR		8/93	12/90	10/91	3/94	1/91	7/91	9/91	8/91			3/94		
15159000	SanAnsel	Portola	SantaCla	MF	BSSR													04/08/92	04/08/95
15163000	SanAnsel	SantaCla	SantaPau	MF	BSSR													04/07/92	04/07/95
15189000	SanBruno	18thSt	19thSt	MF	BSSR													07/02/91	07/02/94
15190000	SanBruno	19thSt	20thSt	mf	BSSR													08/24/91	08/24/94
15194000	SanBruno	23rdSt	24thSt	MF	BSSR													10/08/91	10/08/94
15202206	SanBruno	Hale	Silver	MF	6506E	9/91												03/13/92	03/13/95
15202207	SanBruno	Silver	Silliman	MF	6506E	9/91												03/13/92	03/13/95
15202208	SanBruno	Silliman	Felton	MF	6506E	9/91												03/13/92	03/13/95
15202209	SanBruno	Felton	Burrows	MF	6506E	9/91												03/13/92	03/13/95
15202210	SanBruno	Burrows	Bacon	MF	6506E	9/91												03/13/92	03/13/95
15202211	SanBruno	Bacon	Wayland	MF	6506E	9/91												03/13/92	03/13/95
15202212	SanBruno	Wayland	Woolsey	MF	6506E	9/91												03/13/92	03/13/95
15202213	SanBruno	Woolsey	Dwight	MF	6506E	9/91												03/13/92	03/13/95
15202214	SanBruno	Dwight	Olmstead	MF	6506E	9/91												03/13/92	03/13/95
15202216	SanBruno	Olmstead	Mansell	MF	6506E	9/91												03/13/92	03/13/95
15202217	SanBruno	Mansell	Ordway	MF	6506E	9/91												03/13/92	03/13/95
15202219	SanBruno	Ordway	Ward	MF	6506E	9/91												03/13/92	03/13/95
15202220	SanBruno	Ward	Harkness	MF	6506E	9/91												03/13/92	03/13/95
15202221	SanBruno	Harkness	Wilde	MF	6506E	9/91												03/13/92	03/13/95
15202223	SanBruno	Wilde	Campbell	MF	6506E	9/91												03/13/92	03/13/95
15202224	SanBruno	Campbell	Somerset	MF	6506E	9/91												03/13/92	03/13/95
15349000	Sanchez	16thSt	17thSt	MF	BSSR														
15356000	Sanchez	Start	Cumberla	MF	BSSR														
15222000	SanFelip	SanJacin	Monterey	mf	BSSR													09/09/91	09/09/94
15224000	SanFerna	Portola	StFranci	AW	6666E	3/93	7/93	5/92	3/92	4/92	7/92	6/92	12/93	5/92			12/93		
15225000	SanFerna	StFranci	Monterey	AW	6666E	3/93	7/93	5/92	3/92	4/92	7/92	6/92	12/93	5/92			12/93		
15226000	SanFerna	Monterey	Darien	AW	6666E	3/93	7/93	5/92	3/92	4/92	7/92	6/92	12/93	5/92			12/93		
15227000	SanFerna	Darien	Ocean	AW	6666E	3/93	5/93	5/92	3/92	4/92	7/92	4/92	12/93	5/92			12/93		

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PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
15231000	SanJacin	Monterey	StaPaula	mf	BSSR													06/30/93	06/30/96
15252000	SanJose	30thSt	Randall	MF	MUNI	1/89												03/22/91	03/22/94
15257000	SanJose	Randall	Roanoake	MF	MUNI	1/89												03/22/91	03/22/94
15259000	SanJose	Roanoake	Bosworth	MF	MUNI	1/89												03/22/91	03/22/94
15260000	SanJose	Bosworth	Milton	MF	MUNI	1/89												03/22/91	03/22/94
15261000	SanJose	Milton	Rousseau	MF	MUNI	1/89												03/22/91	03/22/94
15263000	SanJose	Rousseau	Joost	MF	MUNI	1/89												03/22/91	03/22/94
15266000	SanJose	Joost	2800Pass	MF	MUNI	1/89												03/22/91	03/22/94
15268000	SanJose	2800pass	Tingley	MF	MUNI	1/89												03/22/91	03/22/94
15270000	SanJose	Tingley	Baden	MF	MUNI	1/89												03/22/91	03/22/94
15275000	SanJose	Baden	SantaRos	MF	MUNI	1/89												03/22/91	03/22/94
15279000	SanJose	SantaRos	Paulding	MF	MUNI	1/89												03/22/91	03/22/94
15281000	SanJose	Paulding	Havelock	MF	MUNI	1/89												03/22/91	03/22/94
15282000	SanJose	Havelock	Ocean	MF	MUNI	1/89												03/22/91	03/22/94
15285000	SanJose	Ocean	Seneca	NA	MUNI	1/89												03/22/91	03/22/94
15287000	SanJose	Seneca	Geneva	NA	MUNI	1/89												03/22/91	03/22/94
15288000	SanJose	Niagara	MtVernon	AR	7045E	8/92										ARHM Study		08/26/92	08/26/95
15291000	SanJose	MtVernon	Lakeview	AR	7045E	8/92										ARHM Study		08/26/92	08/26/95
15295000	SanJose	Sadowa	Sagamore	CT	BSSR													07/12/91	07/12/94
15311000	SanJuan	Alemany	Cayuga	MF	BSSR											Slurry1990		07/24/91	07/24/94
15322000	SanLoren	SantaCla	Portola	MF	BSSR													07/29/91	07/29/94
15334000	SanMigue	Niagara	MtVernon	MF	BSSR													08/31/93	08/31/96
15338201	SanPablo	SantMoni	YerbaBue	MF	BSSR		8/93	5/92	3/92	1/92	7/92		3/92	5/92					
15397000	Sansome	Pacific	Broadway	MF	BSSR		GP/93	2/87	3/86	2/88	6/86	NO	9/91	8/91					
15403000	Sansome	Union	Filbert	MF	BSSR		GP/93	2/87	3/86	9/91	6/86	7/91	9/91	8/91					
15405000	Sansome	Filbert	Greenwic	MF	BSSR		GP/92	2/87	12/86	7/87	9/91	7/91	9/91	8/91					
15434000	StaMarin	Mission	Gladys	MF	BSSR		7/93	5/92	8/92	1/92	7/92		3/92	5/92					
15438000	StaMonic	StaClara	StaPaula	mf	7260E		8/93	2/91	4/92	11/90	1/91	7/91	9/91	8/91			8/93		
15447000	StaPaula	SanJacin	SanAnsel	MF	BSSR		LK	5/92	3/92	1/92	7/92	6/92	3/92	5/92					
15474000	Santiago	16thAve	17thAve	MF	BSSR		7/93	3/86	3/86	1/92	6/86	1/92	3/92	5/92			7/93		
15508000	Santos	Sunnydal	Brookdal	MF	BSSR													09/16/93	09/16/96
15509000	Santos	Brookdal	Blythdal	MF	BSSR													09/15/93	09/15/96

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15511000	Santos	Velasco	Geneva	mf	BSSR			4/86	3/86		6/86								
15546000	Schwerin	Garrison	Kelloch	OL	BSSR	*U/C*	12/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92			12/92		
15565000	Scott	Fell	Hayes	MF	BSSR													12/16/91	12/16/94
15566000	Scott	Hayes	Grove	MF	7271E		GP/94	5/92	10/91	9/91	9/91	7/91	9/91	8/91					
15561000	Scott	Waller	Haight	MF	7271E		GP/94	8/93			8/93		8/93	8/93					
15611000	SecPacif	OFarrell	End:N	mf	BSSR		GP/94	8/93	4/93	3/93	8/93		8/93	8/93		High Priority			
15627000	Selby	Oakdale	Palou	MF	BSSR		5/93	5/93	8/92	1/92	7/92	7/93	3/92	5/92			7/93		
15628000	Selby	Palou	Quesada	MF	BSSR		3/93	5/93	8/92	1/92	7/92	7/93	3/92	5/92			7/93		
15685000	Sharon	15thSt	16thSt	MF	BSSR													05/18/92	05/18/95
15714000	Shields	Bright	Head	MF	BSSR											Slurry1991		07/26/91	07/26/94
15727000	Shipley	6thSt	5thSt	MF	BSSR		GP/94	5/92	3/86	1/92	6/86	11/92	3/92	5/92					
15734000	Shotwell	14thSt	15thSt	MF	BSSR		1/93	5/88	8/88	6/95	8/88	5/93	3/92	5/92			6/95		
15735000	Shotwell	15thSt	16thSt	MF	BSSR		GP/95	2/86	6/85	6/95	6/85	5/93	3/92	5/92					
15744000	Shotwell	24thSt	25thSt	MF	BSSR	*U/C*	4/93	5/92	8/92	6/95	7/92	7/93	6/92	5/92			6/95		
15749000	Shotwell	Mirabel	Montezum	RE	....E	12/93	6/93	1/90	2/93	3/93	1/90	7/93	9/91	8/91			7/93		
15750000	Shotwell	Montezum	Aztec	RE	....E		6/93	1/90	2/93	3/93	1/90	7/93	9/91	8/91			7/93		
15751000	Shotwell	Aztec	Stoneman	RE	....E		6/93	1/90	2/93	3/93	1/90	7/93	9/91	8/91			7/93		
15769000	Shrader	Grattan	Alma	MF	BSSR	*U/C*	7/93	5/92	3/86	1/92	6/86	7/93	3/92	5/92			7/93		
15772000	Shrader	17thSt	Carmel	MF	7271E		7/93	5/92	6/85	5/85	6/85	-	3/92	5/92					
15773000	Shrader	Carmel	Belgrave	re	....E		7/93	8/93	3/93	4/93	8/93	5/93	8/93	8/93			8/93		
15780000	Sickles	SanJose	Alemany	MF	BSSR														
15816000	Silver	Naples	Vienna	MF	PMMS														
15822000	Silver	Cambridg	Yale	MF	PMMS														
15825000	Silver	Princetn	Universi	MF	PMMS		GP/94	5/88	12/87	12/93	9/88	3/88	9/91	8/91					
15830000	Silver	Dartmout	Bowdoin	mf	PMMS		GP/94	9/89	10/89	9/89	3/90	8/89	9/91	8/91					
15832000	Silver	Bowdoin	Hamilton	mf	PMMS		GP/94	9/89	10/89	9/89	1/90	8/89	9/91	8/91					
15833000	Silver	Hamilton	Boylston	MF	PMMS		3/87			7/87									
15910000	Sloat	39thAve	41stAve	MF	BSSR		5/93	5/92	3/86	12/95	6/86	7/91	9/91	8/91			12/95		
15912209	Sloat	47thAve	Greathwy	MF	BSSR		7/93	6/92	3/86	9/91	6/86	7/91	9/91	8/91			7/93		
15930000	Somerset	Felton	Burrows	MF	BSSR		2/93	5/92	1/92	1/92	7/92	1/92	3/92	5/92		Slurry1991	2/93		
15936000	Somerset	Mansell	Ordway	MF	BSSR		LK	5/92	1/92	1/92	7/92	1/92	3/92	5/92					
15940000	Somerset	Campbell	SanBruno	MF	BSSR		LK	5/92	8/92	1/92	7/92	11/92	3/92	5/92					

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14959000	SouthHil	Geneva	Prague	MF	BSSR		11/92	5/92	3/92	1/92	7/92	NO	3/92	5/92					
16010000	Spear	Mission	Howard	TR	5994E	7/91												11/01/91	11/01/94
16011000	Spear	Howard	Folsom	TR	5994E	7/91												11/01/91	11/01/94
16013000	Spear	Folsom	Harrison	TR	5994E	7/91												11/01/91	11/01/94
16014000	Spear	Harrison	Bryant	TR	5994E	7/91												11/01/91	11/01/94
16030000	Sproule	Sacramen	Clay	MF	BSSR		GP/92	9/90	3/86	10/89	6/86	-	9/91	8/91					
16035000	Spruce	Clay	Sacramen	MF	BSSR		LK	6/94	3/92	1/92	7/92	NO	3/92	5/92	1/96	UGD			
16056000	Stanyan	Geary	Anza	MF	BSSR	11/92												11/20/92	11/20/95
16057000	Stanyan	Anza	Turk	MF	BSSR	11/92												11/25/92	11/25/95
16061000	Stanyan	McAllist	Fulton	MF	7319E		5/93	1/87	3/86	6/87	6/86	11/92	3/92	5/92			5/93		
16069000	Stanyan	Oak	Page	MF	6429F	9/90												04/22/91	04/22/94
16070000	Stanyan	Page	Haight	MF	6429E	9/90												04/22/91	04/22/94
16071000	Stanyan	Haight	Waller	MF	6429E	9/90												04/22/91	04/22/94
16072000	Stanyan	Waller	Beulah	MF	6429E	9/90												04/22/91	04/22/94
16074000	Stanyan	Frederic	Carl	MF	6429E	9/90												04/22/91	04/22/94
16075000	Stanyan	Carl	Parnassu	MF	6429E	9/90												04/22/91	04/22/94
16076000	Stanyan	Parnassu	Grattan	MF	6429E	9/90												04/22/91	04/22/94
16080000	Stanyan	17thSt	Belgrave	MF	7271E		7/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
16084000	Staples	Edna	Foerster	mf	BSSR													08/20/91	08/20/94
16100000	States	Castro	Levant	MF	7271E		9/92	5/92	8/92	1/92	2/92	1/92	3/92	5/92			8/92		
16153000	Steuart	Market	Mission	MF	BSSR		2/93	12/92	3/86	9/91	6/86	7/91	9/91	8/91			2/93		
16155000	Steuart	Howard	Folsom	mf	6150E	5/93	GP/92	9/91	3/92	JT	1/91	JT	9/91	5/95					
16170000	Stevenso	End:N	4thSt	MF	BSSR		GP/93	5/92	10/92	1/92	7/92		3/92	8/93					
16170000	Stevenso	3rdSt	End:S	MF	BSSR		GP/93	5/92	8/92	1/92	7/92		3/92	5/92					
16173000	Stevenso	6thSt	7thSt	MF	PMMS		LK	8/93	7/93	7/93	8/93		8/93	8/93					
15125000	StGermai	Start:E	Glenbroo	RE	....E		8/93	8/93	3/93	4/93	8/93	2/93	8/93	8/93			8/93		
15126000	StGermai	Glenbroo	End:West	RE	....E		8/93	8/93	3/93	4/93	8/93	2/93	8/93	8/93			8/93		
16199000	Stilling	Martha	Nordhoff	RE	....E		8/93	8/93	9/90	4/93	10/89	7/93	9/91	8/91			8/93		
16200000	Stilling	Nordhoff	Congo	RE	....E		8/93	8/93	3/93	3/93	8/93	7/93	8/93	8/93			8/93		
16205000	Stillman	2ndSt	3rdSt	MF	BSSR		GP/94	5/92	3/86	8/93	6/86		3/92	5/92					
16206000	Stillman	3rdSt	4thSt	MF	BSSR		GP/94	5/92	8/92	8/93	7/92	NO	3/92	5/92					
16207000	Stockton	Market	Geary				GP/94	2/91	3/92	8/93	4/91	3/91	9/91	3/91					

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16209000	Stockton	OFarrell	Geary	MF	BSSR		GP/94	11/88	3/86	8/93	6/86	-	9/91	3/91					
16213000	Stockton	Post	Sutter	MF	7318E		3/93	12/87	3/86	12/87	12/88	-	9/91	8/91					
16218000	Stockton	Sutter	Sacramen	MF	PG&E	3/92		8/93					8/93	8/93			*U/C*		
16220000	Stockton	Sacramen	Clay	MF	PG&E	3/92		8/93					8/93	8/93			*U/C*		
16221000	Stockton	Clay	Washingt	MF	PG&E	3/92		8/93					8/93	8/93			*U/C*		
16222000	Stockton	Washingt	Jackson	MF	6337E	7/91												11/22/91	11/22/94
16223000	Stockton	Jackson	Pacific	MF	6337E	7/91												11/22/91	11/22/94
16224000	Stockton	Pacific	Broadway	MF	6337E	7/91												11/22/91	11/22/94
16226000	Stockton	Broadway	Vallejo	MF	6337E	7/91												11/22/91	11/22/94
16227000	Stockton	Vallejo	Green	MF	6337E	7/91												11/22/91	11/22/94
16231000	Stockton	Filbert	Greenwic	MF	BSSR													07/09/92	07/09/95
16232000	Stockton	Greenwic	Lombard	MF	7318E		1/93	8/93			8/93		8/93	8/93					
16253000	Stoneman	Manchstr	Shotwell	RE	6261E	10/89												08/03/90	08/03/93
16302000	Sunnydal	Sawyer	Hahn	MF	PMMS		12/92	8/93	7/93	7/93	8/93		8/93	8/93					
16321000	Surrey	Castro	Diamond	MF	BSSR		LK											09/11/91	09/11/94
16327000	Surrey	Swiss	Chenery	MF	BSSR													09/11/91	09/11/94
16330000	Sussex	Castro	Diamond	MF	7316E		LK	8/93			9/91			8/91					
16333000	Sussex	Conrad	Swiss	MF	BSSR														
16334000	Sussex	Swiss	Mizpah	MF	BSSR														
16335000	Sussex	Mizpah	DiamonHt		BSSR		8/93	7/90	9/90	10/89	1/90	10/89	9/91	8/91			8/93		
16353000	Sutter	Powell	Mason	MF	....E		3/93	5/92	3/86	10/88	2/86	-	9/91	8/91					
16354000	Sutter	Mason	Taylor	MF	....E		3/93	5/92	3/86	3/88	2/86	-	9/91	8/91					
16362000	Sutter	Franklin	Gough	MF	BSSR		4/93	5/92	3/86	8/94	6/86	6/92	3/92	5/92			8/94		
16368000	Sutter	Webster	Fillmore	mf	7253E	8/94	GP/94	4/86	3/93	8/94	6/86		8/93	8/93					
16369000	Sutter	Fillmore	Steiner	MF	7253E	3/94	GP/94	4/86	3/93	3/93	6/86		8/93	8/93					
16370000	Sutter	Steiner	Pierce	mf	7253E	3/94	GP/94	4/86	3/93	3/93	6/86		8/93	8/93					
16371000	Sutter	Pierce	Scott	mf	7253E	3/94	GP/94	4/86	3/93	3/93	6/86		8/93	8/93					
16372000	Sutter	Scott	Divisade	mf	7253E	3/94	GP/94	8/93	3/93	3/93	4/93		8/93	8/93					
16373000	Sutter	Divisade	Broderic	mf	7253E	3/94	GP/94	4/86	3/93	3/93	6/86		8/93	8/93					
16374000	Sutter	Broderic	Baker	mf	7253E	3/94	GP/94	4/86	3/93	3/93	6/86		8/93	8/93					
16375000	Sutter	Baker	Lyon	MF	7253E	3/94	GP/94	4/86	3/93	3/93	6/86	2/93	8/93	8/93					
16376000	Sutter	Lyon	Presidio	MF	7253E	3/94	GP/94	4/86	3/93	6/93	6/86	2/93	8/93	8/93					

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16438000	Taraval	15thAve	16thAve	mf	BSSR		7/93	12/88	3/86	10/88	6/86	10/88	9/91	8/91			7/93		
16439000	Taraval	16thAve	17thAve	mf	BSSR		7/93	12/88	3/86	10/88	6/86	10/88	9/91	8/91			7/93		
16440000	Taraval	17thAve	18thAve	mf	BSSR		7/93	12/88	3/86	10/88	6/86	10/88	9/91	8/91			7/93		
16441000	Taraval	18thAve	19thAve	mf	BSSR		7/93	12/88	3/86	10/88	6/86	10/88	9/91	8/91			7/93		
16470000	Taraval	46thAve	47thAve	MF	....E		9/92	4/86	3/86	1/92	6/86	1/92	3/92	5/92			9/92		
16471000	Taraval	47thAve	GreatHwy	MF	BSSR		LK	4/86	3/86	9/91	6/86	7/91	9/91	8/91					
16503000	Taylor	Green	Macondry	RE	....E		1/93	8/93	3/93	3/94	7/90	7/93	9/91	8/91			8/93		
16502000	Taylor	Macondry	Union	RE	....E		1/93	8/93	3/93	3/94	8/93	7/93	8/93	8/93			3/94		
16504000	Taylor	Union	Filbert	RE	6261E	10/89												08/03/90	08/03/93
16515000	Taylor	Jeffersn	Beach	mf	7318E							9/93							
16518000	Teddy	SanBruno	Alpha	MF	BSSR		12/92	5/92	8/92	1/92	7/92	7/93	3/92	5/92		Slurry1992	7/93		
16521000	Teddy	Delta	Elliot	MF	BSSR		LK	5/92	8/92	1/92	7/92	9/93	3/92	5/92					
16540000	Temple	17thSt	Saturn	MF	BSSR		8/93	12/93	3/86	9/91	6/86	7/91	9/91	8/91			12/93		
16573000	Teresita	Evelyn	Isola	MF	7316E		6/93	5/92	3/86	1/92	6/86	12/92	3/92	5/92			6/93		
16597000	Terrace	Portola	SantaCla	MF	BSSR		8/93	5/92	3/92	1/92	7/92		3/92	5/92					
16591000	TerraVis	Baker	StJoseph	MF	BSSR		5/93	4/86	3/86	1/92	6/86	3/93	3/92	5/92			5/93		
16603000	Texas	17thSt	Mariposa	MF	BSSR		GP/94	5/92	8/92	1/92	7/92	7/93	3/92	5/92					
16614000	Theresa	Alemany	Cayuga	mf	BSSR													05/18/93	05/18/96
16615000	Theresa	Cayuga	SanJose	MF	BSSR													05/18/93	05/18/96
16622000	Thomas	Keith	Lane		BSSR		2/93	5/92	3/86	1/92	6/86	1/92	3/92	5/92			2/93		
16625000	Thomas	Maddux	Quint	mf	BSSR													09/14/93	09/14/96
16626000	Thomas	Quint	Robblee	RE	....E		5/93	4/90	2/93	3/93	1/90	2/93	9/91	8/91		High Priority	5/93		
16627000	Thomas	Robblee	Silver	RE	....E		5/93	4/90	2/93	3/93	1/90	2/93	9/91	8/91		High Priority	5/93		
16628000	Thomas	Silver	End	MF	BSSR													09/13/93	09/13/96
16634000	Thor	Surrey	Chenery	RE	....E		8/93	8/93	3/93	3/93	10/89	7/93	9/91	8/91			8/93		
16652000	Thornton	Quint	Elmira	MF	BSSR														
16653000	Thornton	Elmira	Bayshore	MF	BSSR		2/93	3/93	8/92	9/91	9/91	7/91	9/91	8/91			3/93		
16661000	Thrift	Capitol	Orizaba	MF	7260E		10/92	5/92	2/92	1/92	7/92	1/92	3/92	5/92			10/92		
16664000	Tiffany	29thSt	Duncan	MF	BSSR													07/06/93	07/06/96
16668000	Tingley	Mission	Alemany	MF	BSSR													05/14/93	05/14/96
16669000	Tingley	Alemany	Cayuga	MF	BSSR											Slurry1990		05/17/93	05/17/96
16672000	Tioga	Alpha	Rutland	MF	BSSR		12/92	5/92	8/92	1/92	7/92	11/92	3/92	5/92			12/92		

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16686000	Toland	McKinnon	Newcomb	MF	BSSR		9/92	7/90	3/92	10/89	1/90	-	9/91	8/91					
16695000	Tompkins	Moultrie	Anderson	MF	PMMS			4/86	3/86		6/86								
16697000	Tompkins	Ellswort	Gates	MF	PMMS							9/93							
16698000	Tompkins	Gates	Folsom	MF	PMMS		GP/94	5/92	8/92	1/92	7/92	6/92	3/92	5/92					
16699000	Tompkins	Folsom	Banks	MF	PMMS		GP/94	5/92	8/92	1/92	7/92	6/92	3/92	5/92					
16700000	Tompkins	Banks	Prentiss	MF	PMMS		GP/94	5/92	8/92	1/92	7/92	11/92	3/92	5/92					
16708000	Topaz	Goldmine	Ora	RE	....E		8/93	4/86	2/93	3/93	6/86	2/93	8/93	8/93			8/93		
16754000	Treat	Florida	Alameda	MF	7271E		2/93	5/92	5/92	1/92	7/92	1/92	3/92	5/92			2/93		
16756000	Treat	Alameda	15thSt	MF	7271E		2/93	5/92	5/92	1/92	7/92	1/92	3/92	5/92			2/93		
16768000	Treat	25thSt	26thSt	MF	BSSR		GP/94	5/92	6/95	4/94	7/92		3/92	5/92					
16783000	Trumbull	Craut	Congdon	MF	BSSR			4/86	3/86		6/86								
16786000	Trumbull	Maynard	Trumbull	MF	BSSR		LK	4/86	3/86	10/89	6/86	10/89	9/91	8/91					
16792000	Tucker	Alpha	Rutland	MF	BSSR		12/92	5/92	8/92	1/92	7/92	11/92	3/92	5/92			12/92		
16793000	Tucker	Rutland	Delta	MF	BSSR		LK	5/92	8/92	1/92	7/92	11/92	3/92	5/92					
16800000	Tunnel	Blanken	Bayshore	MF	BSSR		LK	7/93	3/86	1/92	6/86		6/92	5/92					
16803000	Tunnel	Lathrop	Visitaci	MF	BSSR	*U/C*	1/93	7/93	8/92	1/92	7/92	7/93	6/92	5/92			7/93		
16818000	Turk	Franklin	Gough	MF	BSSR													07/16/90	07/16/93
16819000	Turk	Gough	Laguna	MF	BSSR		GP/94	5/92	3/86	1/92	4/93	1/92	3/92	5/92					
16820000	Turk	Laguna	Webster	MF	BSSR		GP/94	5/92	3/86	4/92	4/93	1/92	3/92	5/92					
16852000	Turquois	Amethyst	Quartz	RE	....E		6/93	8/93	2/93	3/93	8/93	2/93	8/93	8/93			8/93		
16857000	TwinPeak	Clayton	Clarendo	MF	BSSR													06/05/92	06/05/95
16862000	TwinPeak	Bigler	Racoon	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
16864000	TwinPeak	Racoon	Burnett	MF	PMMS		8/93	8/93	7/93	7/93	8/93		8/93	8/93					
16878000	Ulloa	Kensingt	Granvill	MF	7316E		GP/94	5/92	3/92	7/87	7/92	11/92	3/92	5/92					
16880000	Ulloa	Granvill	Dorchest	MF	BSSR		GP/94	7/90	9/90	7/87	10/89	11/92	9/91	8/91					
16930000	Underwoo	Ingalls	Jennings	MF	BSSR		GP/94	5/92	3/92	9/91	9/91	7/91	9/91	8/91					
16940000	Union	Calhoun	Montgome	RE	....E		GP/94	8/93	2/93	3/93	6/86	2/93	8/93	8/93					
16967000	Union	VanNess	Franklin	MF	BSSR														
16968000	Union	Franklin	Gough	MF	BSSR				3/86		6/86								
16969000	Union	Gough	Octavia	MF	BSSR		4/93	11/88	3/86	10/88	6/90	10/88	9/91	8/91			4/93		
16970000	Union	Octavia	Laguna	MF	BSSR		4/93	11/88	3/86	10/88	6/90	10/88	9/91	8/91			4/93		
16972000	Union	Laguna	Buchanan	MF	BSSR		1/93	11/88	12/88	10/88	6/90	10/88	9/91	8/91			1/93		

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16979000	Union	Divisade	Broderic	MF	7318E		1/93	8/93			8/93		8/93	8/93					
16991000	Universi	Woolsey	Dwight	MF	BSSR		12/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92		Slurry1992	12/92		
17019000	UpperTer	Ashbury	Masonic	MF	BSSR		LK	12/93	3/86	1/92	6/86	1/92	3/92	5/92	9/93	UGD			
17283000	Utah	Alameda	15thSt	MF	7271E		9/92	5/92	5/92	1/92	7/92	1/92	3/92	5/92			9/92		
17284000	Utah	15thSt	16thSt	MF	BSSR		GP/93	4/86	3/86	1/92	6/86	1/92	3/92	5/92					
17287000	Utah	Mariposa	18thSt	MF	BSSR		GP/94	4/86	3/86	1/92	6/86	9/93	3/92	5/92					
17289000	Utah	23dSt	24thSt	MF	BSSR		GP/94	5/92	8/92	6/95	7/92	7/93	6/92	5/92					
17290000	Utah	24thSt	25thSt	MF	BSSR		GP/94	5/92	8/92	6/95	7/92	7/93	6/92	5/92					
17341000	Vallejo	Front	Battery	MF	PMMS		GP/94		3/86	12/93	6/86	9/91	9/91	8/91					
17343000	Vallejo	Battery	Sansome	MF	PMMS		GP/94		3/86	9/91	6/86	9/91	9/91	8/91					
17369000	Vallejo	Leavenwr	Hyde	MF	BSSR		1/93	5/92	2/92	1/92	7/92	1/92	3/92	5/92			1/93		
17373000	Vallejo	Polk	VanNess	MF	BSSR		2/93	5/92	3/86	6/94	6/86	1/92	3/92	5/92			6/94		
17390000	Valletta	Start:N	Malta	RE	7316E		8/93	5/92	3/93	3/93	7/92	2/93	3/92	5/92			8/93		
17392000	Valley	SanJose	Dolores	MF	BSSR		10/92	5/92	3/92	8/95	7/92	1/92	3/92	5/92			8/95		
17396000	Valley	Noe	Castro	RE	7316E		LK	6/86	3/86		6/86		8/93	8/93					
17398000	Valley	Castro	Diamond	RE	....E		8/93	6/90	2/93	3/93	10/89	2/93	9/91	8/91			8/93		
17400000	Valmar	Madison	Silliman	RE	....E		9/92	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
17404000	Valparai	Mason	Taylor	MF	PMMS		1/93	8/93	7/93	7/93	8/93		8/93	8/93					
17411000	VanDyke	Jennings	Keith	MF	6678E	11/91												05/20/92	05/20/95
17413000	VanDyke	Keith	3rdSt	MF	6678E	11/91												05/20/92	05/20/95
17415000	VanNess	Market	Fell	MF	CDOT			4/86	3/86		6/86								
17418000	VanNess	Fell	Hayes	MF	CDOT		11/87	12/87	12/87	12/87	12/87	NO							
17420000	VanNess	Hayes	Grove	MF	CDOT		11/90	4/86	3/86	3/95	6/86	12/88	9/91	8/91			3/95		
17455000	VanNess	Lombard	Chestnut	MF	CDOT														
17457000	VanNess	Francisc	Bay	MF	7318E		LK	8/93			8/93		8/93	8/93					
17458000	VanNess	Bay	NorthPnt	MF	7318E		4/93	8/93			8/93		8/93	8/93					
17479000	Vasquez	Kensingt	Garcia	mf	BSSR													05/01/91	05/01/94
17485000	Vassar	End	Harrison	MF	BSSR		4/93	5/92	8/85	8/85	8/85	NO	3/92	5/92					
17537000	Vernon	End:S	Randolph	MF	BSSR													07/26/90	07/26/93
17540000	Vernon	Shields	Garfield	MF	7260E		10/92	4/90	9/90	10/89	10/89	11/92	9/91	8/91			11/92		
17550000	Vicente	Wawona	ForestSi	MF	BSSR													08/28/92	08/28/95
17551000	Vicente	ForestSi	14thAve	MF	BSSR													08/28/92	08/28/95

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17588000	Vicksbur	22dSt	23dSt	mf	BSSR		LK	7/90	3/92	7/90	1/91	-	9/91	8/91					
17626000	Villa	Grayston	Pemberto	MF	BSSR													09/13/91	09/13/94
17647000	Visitaci	Bayshore	Desmond	MF	BSSR		1/93	5/92	1/92	1/92	7/92	1/92	3/92	5/92			1/93		
17665000	VistaVer	Stilling	End	MF	7316E		8/93	5/92	3/92	1/92	7/92	11/92	3/92	5/92			8/93		
17736000	Walter	14thSt	Duboce	MF	BSSR		9/92	5/92	3/86	1/92	4/93		3/92	5/92					
17743000	Ward	Girard	Brussels	RE	....E		LK	8/93	3/93	3/93	1/90	2/93	9/91	8/91					
17744000	Ward	Brussels	Goetting	RE	....E		12/92	8/93	3/93	3/93	1/90	2/93	9/91	8/91			8/93		
17749000	Warren	Oak Park	Christop	mf	BSSR	*U/C*	8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
17750000	Warren	Christop	Devonshr		BSSR		8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93			8/93		
17751000	Warren	Devonshr	Oakhurst	RE	7262E	7/94	5/93	12/85	3/93	3/93	7/85	2/93	8/93	8/93		High Priority	8/93		
17752000	Warren	Oakhurst	Locksley	RE	7262F	7/94	5/93	12/85	3/93	3/93	7/85	2/93	8/93	8/93		High Priority	8/93		
17762000	Washingt	Battery	CustomHs	mf	PMMS		3/86	12/85	3/86	7/87	2/86								
17761000	Washingt	CustomHs	Sansome	mf	PMMS														
17769000	Washingt	Kearny	Grant	mf	....E		GP/93	5/92	1/85	5/94	6/84	11/92	9/91	8/91					
17774000	Washingt	Waverly	Stockton	mf	....E		GP/93	1/90	8/92	12/91	1/90	10/89	9/91	8/91					
17805000	Washingt	Presidio	Walnut	MF	BSSR		LK	12/93	6/94	1/92	7/92	7/93	3/92	5/92		UGD			
17834000	Waverly	Clay	Washingt	MF	BSSR		GP/93	5/92	2/92	1/92	7/92		3/92	5/92					
17838000	Wawona	Taraval	Ulloa	MF	BSSR		GP/94	5/92	3/86	1/92	6/86	7/93	3/92	5/92					
17840000	Wawona	Ulloa	Vicente	mf	BSSR													05/22/91	05/22/94
17842000	Wawona	14thAve	15thAve	MF	7260E		7/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92			7/93		
17859000	Wawona	33rdAve	34thAve	MF	BSSR		5/93	5/92	3/86	1/92	6/86	6/92	3/92	5/92			5/93		
17861000	Wawona	35thAve	36thAve	MF	BSSR		5/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92			5/93		
17862000	Wawona	36thAve	Sunset	MF	BSSR		5/93	5/92	3/86	1/92	6/86	6/92	3/92	5/92			5/93		
17896000	Webster	Duboce	Hermann	mf	6688E	2/94	6/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		
17897000	Webster	Hermann	Waller	mf	6688E	2/94	6/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		
17900000	Webster	Waller	Haight	mf	6688E	2/94	LK	6/92	10/91	9/91	9/91	7/91	9/91	8/91					
17901000	Webster	Haight	Page	mf	6688E	2/94	6/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		
17902000	Webster	Page	Oak	mf	6688E	2/94	6/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		
17904000	Webster	Oak	Fell	mf	6688E	2/94	6/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		
17905000	Webster	Fell	Hayes	mf	6688E	2/94	6/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		
17907000	Webster	Hayes	Grove	mf	6688E	2/94	6/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		
17908000	Webster	Grove	Fulton	mf	6688E	2/94	6/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			6/93		

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17909000	Webster	Fulton	McAllist	MF	6688E	2/94	5/93	6/92	10/91	4/93	9/91	7/91	9/91	8/91			5/93		
17921000	Webster	Pine	Californ	MF	BSSR		GP/94	6/92	3/92	5/95	7/92		3/92	5/92					
17923000	Webster	Sacramen	Clay	MF	BSSR		GP/94	6/92	3/92	12/95	7/92	7/93	3/92	5/92					
17934000	Webster	Filbert	Greenwic	MF	BSSR		GP/94	6/92	3/86	1/92	2/86	1/92	3/92	5/92					
17936000	Webster	Greenwic	Lombard	MF	BSSR													09/18/92	09/18/95
17929000	Webster	Broadway	Vallejo	RE	....E		GP/95	8/93	3/93	1/95	8/93	7/93	8/93	8/93					
17930000	Webster	Vallejo	Green	RE	....E		3/93	8/93	3/93	3/92	8/93	NO	8/93	8/93					
17942000	Webster	Beach	Marina	OL	6004Q	1/90												07/10/90	07/10/93
17963000	Westgate	Ocean	Kenwood	MF	BSSR											Slurry1990		08/13/92	08/13/95
17675000	WestPoin	MiddlPnt	End	MF	BSSR		10/92	5/92	8/92	1/92	7/92	6/92	3/92	5/92			10/92		
17682000	Westview	Cambridg	End	MF	BSSR		LK	5/92	3/92	1/92	7/92	11/92	3/92	5/92					
17988000	Wheeler	Blanken	Lathrop	MF	BSSR		1/93	6/90	8/92	10/89	1/90	-	9/91	8/91					
17991000	Whipple	Mission	Ellingto	MF	BSSR											Slurry1992		08/17/93	08/17/96
17992000	Whipple	Ellingtn	Rae	MF	BSSR											Slurry1992		08/18/93	08/18/96
17993000	Whipple	Rae	Huron	MF	BSSR													08/18/93	08/18/96
17994000	Whipple	Huron	Moneta	MF	BSSR		11/92	5/92	3/92	1/92	7/92		3/92	5/92		Slurry1992			
18025000	Wilde	Brussels	Goetting		BSSR		12/92	6/92	8/92	1/92	7/92	7/93	3/92	5/92			7/93		
18027000	Wilde	Goetting	Rutland		BSSR		12/92	6/92	8/92	1/92	7/92	7/93	3/92	5/92			7/93		
18055000	Willard	Woodland	Belmont	MF	BSSR				3/86		6/86								
18046000	WillardN	Turk	Edward	MF	BSSR		5/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92			5/93		
18070000	Williar	MtVernon	Niagara		BSSR		10/92	6/92	3/92	1/92	7/92	11/92	3/92	5/92			11/92		
18074000	Willow	Larkin	Polk	MF	PMMS		GP/93	8/93	7/93	7/93	8/93		8/93	8/93					
18081000	Wills	MiddlePn	End	OL	BSSR	*U/C*	10/92	5/92	8/92	1/92	7/92	6/92	3/92	5/92			10/92		
18083000	Wilmot	Webster	Fillmore	MF	BSSR													04/22/92	04/22/95
18084000	Wilmot	Fillmore	Steiner	MF	BSSR													04/22/92	04/22/95
18099000	Wilson	CityLimt	Rhine	MF	7260E		11/92	5/92	3/92	10/89	10/89	-	3/92	5/92					
18111000	Winding	Drake	Prague	RE	PMMS		LK	8/93	7/93	7/93	8/93		8/93	8/93					
18115000	Winfield	Coso	Esmerald	RE	6261E	10/89												08/03/90	08/03/93
18118000	Winfield	Eugenia	Cortland	MF	BSSR		7/93	5/92	8/92	10/89	10/89	11/92	3/92	5/92			7/93		
18133000	Wisconsi	16thSt	17thSt	MF	BSSR		GP/93	6/92	8/92	1/92	7/92	6/92	3/92	5/92					
18136000	Wisconsi	20thSt	22ndSt	mf	BSSR														
18137000	Wisconsi	22ndSt	Madera	MF	BSSR		GP/94	6/92	8/92	1/92	7/92	7/93	3/92	5/92					

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18183000	Woolsey	Dartmout	Colby	MF	BSSR		3/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92		Slurry1992	3/93		
18190000	Worth	22ndSt	21stSt	MF	BSSR		GP/94	5/92	3/86	9/91	6/86	7/91	9/91	8/91					
18192000	Wright	Holladay	Montcalm	RE	....E		4/93	8/93	2/93	3/93	10/89	2/93	9/91	8/91			8/93		
18209000	YerbaBue	StaClara	SantaPau	MF	BSSR		8/93	5/92	3/92	1/92	7/92	1/92	3/92	5/92			8/93		
18244000	York	Precita	Peralta	RE	....E		4/93	1/90	2/93	3/93	10/89	-	9/91	8/91					
18246000	York	Peralta	Montcalm	RE	....E		4/93	1/90	2/93	3/93	10/89	7/93	9/91	8/91			7/93		
1302000	2ndAve	Cabrillo	Fulton	MF	BSSR			4/86	3/86		6/86	9/93							
1928000	4thAve	Irving	Parnassu	MF	BSSR		4/93	6/92	10/91	9/91	9/91	7/91	9/91	8/91			4/93		
1967000	5thAve	Geary	Anza	MF	BSSR													04/27/92	04/27/95
1974000	5thAve	Irving	Judah	MF	7168E	9/93	4/93	4/86	3/86	9/91	6/86	7/91	9/91	8/91			4/93		
2054000	7thAve	Anza	Balboa	MF	BSSR													04/30/92	04/30/95
2102000	8thAve	Anza	Balboa	MF	BSSR													07/31/92	07/31/95
2103000	8thAve	Balboa	Cabrillo	MF	BSSR			4/86	3/86		6/86	9/93							
2104000	8thAve	Cabrillo	Fulton	MF	BSSR													08/03/92	08/03/95
2107000	8thAve	Lincoln	Irving	MF	7168E	9/93	4/93	6/92	2/92	1/92	4/93	1/92	3/92	5/92			4/93		
2111000	8thAve	Lawton	Moraga	mf	7168E	9/93	5/93	12/93	10/91	1/92	4/93	1/92	3/92	5/92		**CONFLICT**	12/93		
2144000	9thAve	Lake	Californ	mf	BSSR													05/31/92	05/31/95
2145000	9thAve	Californ	Clement	mf	BSSR													05/31/92	05/31/95
2154000	9thAve	Irving	Judah	MF	BSSR		4/93	8/93	8/93		8/93		8/93	8/93					
2155000	9thAve	Judah	Kirkham	mf	BSSR													05/17/91	05/17/94
2157000	9thAve	Lawton	Moraga	MF	BSSR													08/18/91	08/18/94
2158000	9thAve	Moraga	Noriega	MF	BSSR													09/05/91	09/05/94
2159000	9thAve	Noriega	Ortega	mf	BSSR		5/93	6/92	2/92	1/92	7/92	1/92	3/92	5/92			5/93		
2160000	9thAve	Ortega	Pacheco	mf	BSSR		5/93	6/92	2/92	1/92	7/92	1/92	3/92	5/92			5/93		
	10thAve	Lake	Californ	mf	7319E		2/93	6/92	3/92	4/92	7/92	4/92	3/92	5/92			2/93		
	10thAve	Californ	Clement	MF	BSSR		LK	7/90	9/90	10/89	10/89	-	9/91	8/91					
	10thAve	Anza	Balboa	MF	BSSR													10/10/91	10/10/94
	10thAve	Balboa	Cabrillo	MF	BSSR													10/11/91	10/11/94
	10thAve	Cabrillo	Fulton	MF	7319E		5/93	4/86	3/86	9/91	6/86	9/91	9/91	5/92			5/93		
14000	10thAve	Kirkham	Lawton	MF	7168E	9/93	LK	4/86	3/86	1/92	6/86	1/92	3/92	5/92		Gas Problem			
15000	10thAve	Lawton	Moraga	MF	BSSR		5/93	8/93	8/93		8/93	9/93	8/93	8/93					
16000	10thAve	Moraga	Noriega	MF	7168E	9/93	5/93	4/86	3/86	1/92	6/86	1/92	3/92	5/92			5/93		

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PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
45000	11thAve	Balboa	Cabrillo	MF	BSSR													09/17/92	09/17/95
46000	11thAve	Cabrillo	Fulton	mf	BSSR		5/93	4/86	3/86		6/86	9/93	6/92	8/93					
73000	12thAve	Anza	Balboa	MF	BSSR													10/17/91	10/17/94
74000	12thAve	Balboa	Cabrillo	MF	BSSR		LK	4/86	3/86	8/90	6/86	9/90	9/91	8/91					
80000	12thAve	Kirkham	Lawton	MF	7168E	9/93	4/93	4/86	3/86	1/92	6/86	1/92	3/92	5/92			7/92		
82000	12thAve	Moraga	Noriega	MF	7168E	9/93	5/93	5/92	2/92	1/92	4/93	1/92	3/92	5/92			5/93		
86000	12thAve	Cragmont	End	MF	BSSR		5/93	4/86	3/86	1/92	6/86	1/92	3/92	5/92			5/93		
88201	12thAve	Quintara	9thAve	MF	BSSR													09/29/93	09/29/96
105000	14thAve	End	Lake	MF	BSSR													08/01/91	08/01/94
106000	14thAve	Lake	Californ	MF	BSSR													07/31/91	07/31/94
107000	14thAve	Californ	Clement	MF	BSSR													10/28/91	10/28/94
109000	14thAve	Geary	Anza	MF	BSSR											SFWD 8/94		07/30/92	07/30/95
110000	14thAve	Anza	Balboa	MF	BSSR							9/93						07/30/92	07/30/95
110010	14thAve	Anza	Balboa	JT	AWSS	11/92	3/93	8/93	11/92	10/92	4/93		1/94	8/93					
135000	14thAve	WPortal	Portola	MF	7260E		8/93	4/86	3/86	1/92	6/86	11/92	2/94	5/92			2/94		
165000	15thAve	End	Lake	MF	7319E		3/93	4/86	3/86	1/92	2/86	1/92	3/92	5/92			3/93		
169000	15thAve	Clement	Geary	MF	BSSR		LK	7/90	9/90	8/94	10/89	10/89	9/91	8/91					
170000	15thAve	Geary	Anza	MF	BSSR			4/86	3/86		6/86	9/93							
194000	15thAve	Taraval	Ulloa	MF	PMMS		LK	8/93	7/93	7/93	8/93		8/93	8/93					
196000	15thAve	Vicente	Wawona	mf	BSSR		LK	6/92	3/92	4/92	7/92	6/92	3/92	5/92					
198000	15thAve	Wawona	WestPort	mf	BSSR		7/93	6/92	3/92	4/92	7/92	9/93	3/92	5/92			9/93		
199000	15thAve	WPortal	Portola	MF	7260E		7/93	8/93			8/93		8/93	8/93					
261000	16thAve	Ortega	Pacheco	MF	BSSR		7/93	4/86	3/86	1/92	6/86	1/92	3/92	5/92			7/93		
268000	16thAve	Ulloa	Vicente	MF	7260E		LK	8/93			8/93		8/93	8/93					
269000	16thAve	Vicente	Wawona	MF	7260E		7/93	4/86	3/86	1/92	6/86	1/92	3/92	5/92			7/93		
329000	17thAve	End	Lake	mf	7044E	5/92												09/23/92	09/23/95
330000	17thAve	Lake	Californ	MF	7044E	5/92												09/23/92	09/23/95
331000	17thAve	Californ	Clement	MF	7044E	5/92												09/23/92	09/23/95
332000	17thAve	Clement	Geary	MF	7044E	7/92												09/23/92	09/23/95
335000	17thAve	Balboa	Cabrillo	MF	BSSR		LK	4/86	3/86	1/92	6/86	1/92	3/92	5/92					
343000	17thAve	Moraga	Noriega	MF	BSSR		7/93	4/86	3/86	1/92	6/86	1/92	3/92	5/92			7/92		
413000	18thAve	Californ	Clement	MF	7319E		3/93	4/86	3/86	10/92	6/86	7/91	9/91	8/91			3/93		

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414000	18thAve	Clement	Geary	MF	BSSR		3/93	4/86	3/86	1/92	6/86	1/92	3/92	5/92		Sewer Hold	3/93		
425000	18thAve	Moraga	Noriega	MF	BSSR		7/93	4/86	3/86	6/87	6/86	1/92	3/92	5/92			7/93		
495000	19thAve	Californ	Clement	MF	BSSR													07/28/92	07/28/95
496000	19thAve	Clement	Geary	MF	7319E		3/93	3/93	3/86	1/92	6/86	1/92	3/92	5/92			3/93		
498000	19thAve	Anza	Balboa	mf	7319E		3/93	3/93	3/92	4/92	7/92	8/92	3/92	5/92			3/93		
507000	19thAve	Moraga	Noriega	MF	PMMS		LK	8/93	7/93	7/93	8/93		8/93	8/93					
508000	19thAve	Noriega	Ortega	MF	PMMS		LK	8/93	7/93	7/93	8/93		8/93	8/93					
521000	19thAve	Rossmoor	Winston	RE	MR895	6/93	5/93	12/90	10/91	11/91	4/91	3/91	9/91	12/94			12/94		
522000	19thAve	Winston	Holloway	RE	MR895	6/93	10/92	12/90	10/91	11/91	4/91	3/91	9/91	12/94			12/94		
526000	19thAve	Holloway	Junipero	RE	MR895	6/93	10/92	12/90	10/91	11/91	4/91	3/91	9/91	12/94			12/94		
698000	21stAve	Clement	Geary	MF	7319E		3/93	7/90	9/90	10/89	10/89	-	9/91	8/91					
764010	22ndAve	Geary	Anza	JT	AWSS	11/92	LK	12/93	4/93		4/93	3/93	1/94	8/93					
844000	23rdAve	Californ	Clement	MF	BSSR													07/24/92	07/24/95
845000	23rdAve	Clement	Geary	MF	BSSR													07/24/92	07/24/95
846000	23rdAve	Geary	Anza	mf	7319E		3/93	9/90	9/90	10/90	7/90	11/92	9/91	8/91			3/93		
847000	23rdAve	Anza	Balboa	mf	7319E		4/93	9/90	12/92	10/90	7/90	11/92	9/91	8/91			4/93		
854000	23rdAve	Kirkham	Lawton	MF	BSSR													09/10/93	09/10/96
939000	24thAve	Balboa	Cabrillo	mf	BSSR													07/21/92	07/21/95
947000	24thAve	Moraga	Noriega	MF	BSSR	10/92												10/13/92	10/13/95
1025000	25thAve	Cabrillo	Fulton	mf	7319E		4/93	7/90	9/90	7/90	1/91	11/92	9/91	8/91			4/93		
1038000	25thAve	Rivera	Santiago	MF	BSSR	10/92												10/16/92	10/16/95
1039000	25thAve	Santiago	Taraval	MF	BSSR	10/92												10/20/92	10/20/95
1113000	26thAve	CaminoDe	Lake	JT	AWSS	11/92	LK	8/93	11/92	10/92	4/93	9/93	1/94	8/93					
1119000	26thAve	Balboa	Cabrillo	JT	AWSS	11/92	LK	8/93	11/92	10/92	4/93		1/94	8/93					
1120000	26thAve	Cabrillo	Fulton	MF	7319E		4/93	4/86	3/86	1/92	6/86	11/92	3/92	5/92			4/93		
1128000	26thAve	Noriega	Ortega	MF	BSSR	11/92												12/01/92	12/01/95
1130000	26thAve	Quintara	Riviera	MF	BSSR		6/93	6/92	2/92	1/92	7/92	1/92	3/92	5/92			6/93		
1131000	26thAve	Rivera	Santiago	MF	BSSR													09/27/93	09/27/96
1132000	26thAve	Santiago	Taraval	MF	BSSR		6/93	4/86	3/86	1/92	6/86	9/93	3/92	8/93			9/93		
1195000	27thAve	Cabrillo	Fulton	RE	....E		4/93	6/92	3/92	1/92	7/92	3/93	3/92	8/93			8/93		
1229000	28thAve	Clement	Geary	MF	BSSR		1/93	4/86	3/86	1/92	6/86	9/93	6/92	5/92			9/93		
1233000	28thAve	Cabrillo	Fulton	MF	BSSR													07/15/93	07/15/96

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1269000	29thAve	Lincoln	Irving	MF	BSSR	10/92												10/02/92	10/02/95
1339000	30thAve	Geary	Anza	MF	7319E		1/93	4/86	11/92	10/92	6/86	11/92	4/94	5/92			4/94		
1339010	30thAve	Geary	Anza	JT	AWSS	2/93	1/93	12/93	11/92	10/92	4/93	11/92	4/94			Joint Trench			
1348000	30thAve	Judah	Kirkham	MF	BSSR	10/92												10/08/92	10/08/95
1403000	32ndAve	Californ	Clement	MF	BSSR		1/93	6/92	3/92	1/92	7/92	9/93	3/92	5/92			9/93		
1411000	32ndAve	Irving	Judah	MF	BSSR		5/93	4/86	3/86	1/92	6/86	9/93	6/92	5/92			9/93		
1416000	32ndAve	Noriega	Ortega	MF	BSSR		6/93	4/86	3/86	1/92	6/86	11/92	6/92	5/92			6/93		
1421000	32ndAve	Santiago	Taraval	MF	BSSR		7/93	4/86	3/86	1/92	6/86	11/92	6/92	5/92			7/93		
1426000	33dAve	Geary	Anza	mf	BSSR													09/23/91	09/23/94
1427000	33rdAve	Anza	Balboa	mf	BSSR													09/25/91	09/25/94
1450010	34thAve	Balboa	Cabrillo	JT	AWSS	2/93	4/93	8/93	4/93	10/92	4/93	3/93	4/94	8/93			4/94		
1475000	35thAve	Balboa	Cabrillo	MF	BSSR													07/13/93	07/13/96
1476000	35thAve	Cabrillo	Fulton	MF	BSSR													08/17/93	08/17/96
1496000	36thAve	Clement	Geary	MF	BSSR		1/93	4/86	3/86	1/92	6/86	9/93	3/92	5/92			9/93		
1500000	36thAve	Balboa	Cabrillo	MF	BSSR													07/12/93	07/12/96
1501000	36thAve	Cabrillo	Fulton	MF	BSSR													07/12/93	07/12/96
1523000	36thAve	Yorba	Sloat	MF	BSSR		5/93	4/86	3/86	1/92	6/86	11/92	3/92	5/92			5/93		
1556000	38thAve	Geary	Anza	JT	AWSS	2/93	1/93	8/93	4/93	10/92	4/93	3/93	4/94	8/93			4/94		
1572000	38thAve	Ulloa	Vicente	MF	BSSR			4/86	3/86		6/86								
1573000	38thAve	Vicente	Wawona	MF	BSSR			4/86	3/86		6/86	9/93				Slurry1992			
1728000	41stAve	Anza	Balboa	JT	AWSS	2/93	3/93	8/93	4/93	10/92	4/93	11/92	4/94	8/93			4/94		
1765000	42ndAve	Rivera	Santiago	MF	PMMS		9/92	8/93	7/93	7/93	8/93	9/93	8/93	8/93			9/93		
1768000	42ndAve	Ulloa	Vicente	MF	BSSR		LK	8/93	8/93		8/93		8/93	8/93		Slurry1992			
1776000	43rdAve	Anza	Balboa	MF	BSSR		3/93	4/86	3/86	1/92	6/86	3/93	3/92	5/92			3/93		
1777000	43rdAve	Balboa	Cabrillo	MF	7319E		12/94	7/90	2/92	1/92	7/92	3/93	3/92	5/92			12/94		
1778000	43rdAve	Cabrillo	Fulton	MF	7319E		12/94	7/90	3/92	1/92	7/92	3/93	3/92	5/92			12/94		
1783000	43rdAve	Kirkham	Lawton	OL	BSSR		7/93	4/86	3/86	1/92	6/86	11/92	8/93	5/92			8/93		
1784000	43rdAve	Lawton	Moraga	JT	AWSS	11/92	7/93	8/93	11/92	10/92	4/93	12/92	1/94	8/93		Slurry1992	1/94		
1793000	43rdAve	Ulloa	Vicente	JT	AWSS	2/93	7/93	8/93	11/92	10/92	4/93	11/92	4/94	8/93		Slurry1992	4/94		
1826000	45thAve	Balboa	Cabrillo	mf	BSSR													07/16/92	07/16/95
1773000	46thAve	Clement	Geary	JT	AWSS	2/93	LK	8/93	11/92	10/92	4/93	11/92	4/94	8/93					
1861000	46thAve	Pacheco	Quintara	MF	BSSR			4/86	3/86		6/86								

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1864000	46thAve	Santiago	Taraval	MF	BSSR			4/86	3/86		6/86								
1873000	47thAve	SutroHts	Balboa	RE	....E		GP/93	2/93	3/92	1/92	7/92	9/93	3/92	5/92					
1875000	47thAve	Cabrillo	Fulton	mf	BSSR		12/94	4/86	3/86		6/86	7/90	8/93	8/93					
1894000	47thAve	Wawona	Sloat	MF	BSSR		7/93	4/86	3/86	1/92	6/86	11/92	3/92	5/92			7/93		
1910000	48thAve	Ortega	Pacheco	MF	BSSR		NO	2/86	5/84	4/84	6/84								
1911000	48thAve	Pacheco	Quintara	MF	BSSR		NO	2/86	5/84	4/84	6/84								
1913000	48thAve	Rivera	Santiago	MF	BSSR		9/92	4/86	3/86	1/92	6/86	11/92	3/92	5/92			11/92		
604000	1stSt	Folsom	Harrison	MF	6691E	4/94	1/93	12/92	3/92	9/91	4/92	7/91	9/91	8/91			1/93		
1632000	3rdSt	Bryant	Brannan	MF	6691E	4/94	GP/94	6/92	3/92	9/91	4/92	7/91	9/91	8/91					
1636000	3rdSt	Brannan	Townsend	MF	BSSR		GP/94	2/91	3/92	11/94	4/91	12/92	9/91	3/91					
1655000	3rdSt	Army	Marin	MF	6323E	7/91												04/13/92	04/13/95
1664000	3rdSt	Evans	Fairfax	MF	6323E	7/91												04/13/92	04/13/95
1665000	3rdSt	Fairfax	Galvez	MF	6323E	7/91												04/13/92	04/13/95
1666000	3rdSt	Galvez	Hudson	MF	6323E	7/91												04/13/92	04/13/95
1667000	3rdSt	Hudson	Innes	MF	6323E	7/91												04/13/92	04/13/95
1669000	3rdSt	Innes	Jerrold	MF	6323E	7/91												04/13/92	04/13/95
1670000	3rdSt	Jerrold	Kirkwood	MF	6323E	7/91												04/13/92	04/13/95
1671000	3rdSt	Kirkwood	Lasalle	MF	6323E	7/91												04/13/92	04/13/95
1672000	3rdSt	Lasalle	McKinnon	MF	6323E	7/91												04/13/92	04/13/95
1673000	3rdSt	McKinnon	Newcomb	MF	6323E	7/91												04/13/92	04/13/95
1674000	3rdSt	Newcomb	Oakdale	MF	6323E	7/91												04/13/92	04/13/95
1675000	3rdSt	Oakdale	Palou	MF	6323E	7/91												04/13/92	04/13/95
1676000	3rdSt	Palou	Quesada	MF	6323E	7/91												04/13/92	04/13/95
1677000	3rdSt	Quesada	Revere	MF	6323E	7/91												04/13/92	04/13/95
1678000	3rdSt	Revere	Shafter	MF	6323E	7/91												04/13/92	04/13/95
1679000	3rdSt	Shafter	Thomas	MF	6323E	7/91												04/13/92	04/13/95
1681000	3rdSt	Thomas	Underwoo	MF	6323E	7/91												04/13/92	04/13/95
1682000	3rdSt	Underwoo	VanDyke	MF	6323E	7/91												04/13/92	04/13/95
1683000	3rdSt	VanDyke	Wallace	MF	6323E	7/91												04/13/92	04/13/95
1684000	3rdSt	Wallace	Yosemite	MF	6323E	7/91												04/13/92	04/13/95
1685000	3rdSt	Yosemite	Armstron	MF	6323E	7/91												04/13/92	04/13/95
1686000	3rdSt	Armstron	Bancroft	MF	6323E	7/91												04/13/92	04/13/95

CULCOP STREET CLEARANCE STATUS REPORT

10/05/93

							UTILITY CLEARANCE DATES												
PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
1687000	3rdSt	Bancroft	Carroll	MF	6323E	7/91												04/13/92	04/13/95
1690000	3rdSt	Carroll	Egbert	MF	6323E	7/91												04/13/92	04/13/95
1691000	3rdSt	Egbert	Fitzgera	MF	6323E	7/91												04/13/92	04/13/95
1692000	3rdSt	Fitzgera	Gilman	MF	6323E	7/91												04/13/92	04/13/95
1694000	3rdSt	Gilman	Holliste	MF	6323E	7/91												04/13/92	04/13/95
1695000	3rdSt	Holliste	Ingerson	MF	6323E	7/91												04/13/92	04/13/95
1697000	3rdSt	Ingerson	Jamestow	MF	6323E	7/91												04/13/92	04/13/95
1932000	4thSt	Market	Mission	MF	....E		2/93	5/92	3/92	9/91	4/92	7/91	9/91	8/91			2/93		
1952000	4thSt	Bluxome	Townsend	MF	BSSR		GP/94	5/92	3/92	11/94	9/91	9/91	9/91	3/91					
5375000	5thStNt	Eddy	Ellis	MF	7318E		GP/94	6/92	8/92	9/91	10/92	9/91	9/91	8/91					
2002000	5thStNt	Ellis	OFarrell	MF	7318E		4/93	6/92	8/92	9/91	10/92	9/91	9/91	8/91			4/93		
1980000	5thSt	Market	Mission	MF	7318E		2/93	3/87	12/88	10/88	3/87	11/92	9/91	8/91			2/93		
2024000	6thSt	Market	Stevensn	MF	7280*	7/94													
2026000	6thSt	Stevensn	Jessie	MF	7280*	7/94													
2025000	6thSt	Jessie	Mission	MF	7280*	7/94													
2027000	6thSt	Mission	Minna	MF	7280*	7/94													
2028000	6thSt	Minna	Natoma	MF	7280*	7/94													
2029000	6thSt	Natoma	Howard	MF	7280*	7/94													
2030000	6thSt	Howard	Tehama	MF	7280*	7/94													
2031000	6thSt	Tehama	Clementi	MF	7280*	7/94													
2032000	6thSt	Clementi	Folsom	MF	7280*	7/94													
2033000	6thSt	Folsom	Shipley	MF	7280*	7/94													
2034000	6thSt	Shipley	Clara	MF	7280*	7/94													
2035000	6thSt	Clara	Harrison	MF	7280*	7/94													
2039000	6thSt	Harrison	Bryant	MF	6691E	4/94	12/92	12/88	12/88	10/88	3/89	11/92	9/91	8/91			12/92		
2040000	6thSt	Bryant	Brannan	MF	BSSR		12/92	12/88	7/93	7/88	3/89		8/93	8/93					
2067000	7thSt	Market	Mission	MF	BSSR		GP/93	12/89	12/87	1/88	3/88	11/92	3/92	5/92					
66000	11thSt	Harrison	Bryant	MF	BSSR		GP/94	6/92	8/92	1/94	6/95	7/91	9/91	8/91					
96000	12thSt	Howard	Kissling	MF	PMMS		11/92	8/93	7/93	1/94	8/93		8/93	8/93					
97000	12thSt	Kissling	Folsom	MF	PMMS		11/92	8/93	7/93	1/94	8/93		8/93	8/93					
100000	12thSt	Folsom	Harrison	MF	BSSR		LK	6/92	8/92	1/94	4/93	7/91	9/91	8/91					
103100	13thSt	Harrison	Folsom	MF	6691E	9/93	12/92	6/92	3/92	1/94	4/92	7/91	9/91	8/91		Int not incld	1/94		

CULCOP STREET CLEARANCE STATUS REPORT

							UTILITY CLEARANCE DATES												
PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
137000	14thSt	Harrison	Trainor	MF	BSSR		2/93	6/92	5/92	1/94	7/92	1/92	3/92	5/92			1/94		
138000	14thSt	Trainor	Folsom	MF	BSSR			8/93	9/93	9/93	8/93		8/93	8/93					
142000	14thSt	SVanNess	Mission	MF	BSSR													05/31/92	05/31/95
157000	14thSt	Market	Sanchez	MF	7044E	7/92												11/24/92	11/24/95
159000	14thSt	Sanchez	Noe	MF	7044E	7/92												11/24/92	11/24/95
160000	14thSt	Noe	Castro	MF	7044E	7/92												11/24/92	11/24/95
161000	14thSt	Castro	Divisade	MF	7044E	7/92												11/24/92	11/24/95
162000	14thSt	Divisade	Alpine	MF	7044E	7/92												11/24/92	11/24/95
203000	15thSt	RhodeIsl	Kansas	MF	BSSR													05/31/92	05/31/95
208000	15thSt	Utah	Potrero	MF	7271E		GP/93	5/92	5/92	1/92	7/92	1/92	3/92	5/92					
213000	15thSt	Alabama	Harrison	RE	....E		2/93	8/93	12/94	3/93	8/93	-	8/93	8/93					
273000	16thSt	3rdSt	Pennsylv	MF	6323E	7/91												04/13/92	04/13/95
276000	16thSt	Pennsylv	Mississi	mf	6323E	7/91												04/13/92	04/13/95
284000	16thSt	DeHaro	RhodeIsl	MF	6323E	7/91												04/13/92	04/13/95
286000	16thSt	Kansas	Vermont	MF	6323E	7/91												04/13/92	04/13/95
289000	16thSt	Vermont	SanBruno	MF	6323E	7/91												04/13/92	04/13/95
291000	16thSt	Utah	Potrero	MF	BSSR		GP/93	12/87	12/87	12/87	12/87	11/92	3/92	5/92					
324000	16thSt	Noe	Castro	MF	BSSR		GP/94	4/86	3/94	4/92	6/86	1/92	3/92	5/92					
357000	17thSt	Texas	Missouri	MF	BSSR														
359000	17thSt	Connetic	Arkansas	MF	BSSR														
391000	17thSt	Church	Sanchez	MF	6687E	10/93	7/93	2/86	6/85	5/85	4/85	7/91	9/91	8/91			7/93		
394000	17thSt	Sanchez	Noe	mf	6687E	10/93	9/92	5/92	4/93	9/91	4/92	1/92	9/91	8/91			4/93		
394999	17thSt	Noe	Hartford	mf	6687E	10/93	9/92	5/92	8/92	9/91	4/92	7/91	9/91	8/91			9/92		
395000	17thSt	Hartford	Market	RE	6687E	10/93	9/92	12/90	3/92	6/90	4/92	3/93	9/91	8/91			3/93		
396000	17thSt	Castro	Collinwo	RE	6687E	10/93	9/92	12/90	3/92	6/90	4/92	JT	9/91	8/91					
397000	17thSt	Collinwo	Diamond	mf	6687E	10/93	9/92	5/92	3/92	9/91	4/92	7/91	12/91	8/91			9/92		
399000	17thSt	Diamond	Eureka	mf	6687E	10/93	9/92	5/92	3/92	9/91	4/92	7/91	9/91	8/91			9/92		
400000	17thSt	Eureka	Douglass	MF	6687E	10/93	9/92	5/92	12/87	1/88	2/88	7/91	9/91	8/91			8/92		
406000	17thSt	Clayton	Belveder	MF	7271E		7/93	7/90	3/92	8/90	7/90	9/90	9/91	8/91			7/93		
407000	17thSt	Belveder	Cole	RE	....E		7/93	7/90	3/93	3/93	7/90	9/90	9/91	8/91			7/93		
408000	17thSt	Cole	Shrader	MF	7271E			8/93	3/86		6/86		8/93	8/93					
409000	17thSt	Shrader	Stanyan	MF	7271E		7/93	9/90	3/92	8/90	1/91	9/90	9/91	8/91			7/93		

CULCOP STREET CLEARANCE STATUS REPORT

10/05/93

							UTILITY CLEARANCE DATES												
PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
451000	18thSt	DeHaro	RhodeIsl	RE	....E		9/92	1/90		10/89	1/90	10/89	9/91	8/91					
456000	18thSt	Utah	Potrero	RE	....E		9/92	1/90		10/89	1/90	10/89	9/91	8/91					
457000	18thSt	Potrero	Hampshir	MF	7271E		9/92	6/92	8/92	1/92	7/92	11/92	6/92	5/92			11/92		
465000	18thSt	Treat	Folsom	TR	7271E		2/93	9/89	10/89	8/89	1/90	11/92	9/91	8/91			2/93		
472000	18thSt	Mission	Valencia	MF	6687E	10/93	1/93	4/86	3/86	12/92	6/86	11/92	9/91	8/91			1/93		
476000	18thSt	Valencia	Guerrero	mf	6687E	10/93	1/93	5/92	3/92	12/92	4/92	11/92	9/91	8/91			1/93		
478000	18thSt	Guerrero	Dolores	MF	6687E	10/93	7/93	4/86	3/86		6/86	11/92	9/91	8/91					
479000	18thSt	Dolores	Church	MF	6687E	10/93	7/93	4/86	3/86	12/92	6/86	7/91	9/91	8/91			7/93		
480000	18thSt	Church	Sanchez	MF	6687E	10/93	7/93	4/86	3/86	12/92	6/86	7/91	9/91	8/91			7/93		
481000	18thSt	Sanchez	Noe	MF	6687E	10/93	9/92	5/92	3/93	9/91	4/92	7/91	9/91	8/91			3/93		
483000	18thSt	Noe	Castro	mf	6687E	10/93	9/92	5/92	3/93	9/91	4/92	7/91	9/91	8/91			3/93		
484000	18thSt	Castro	Collingw	mf	6687E	10/93	9/92	5/92	3/92	9/91	4/92	7/91	9/91	8/91			9/92		
485000	18thSt	Collinwo	Diamond	mf	6687E	10/93	9/92	5/92	3/92	9/91	4/92	7/91	9/91	8/91			9/92		
486000	18thSt	Diamond	Eureka	mf	6687E	10/93	9/92	5/92	3/92	9/91	4/92	7/91	9/91	8/91			9/92		
487000	18thSt	Eureka	Douglass	MF	6687E	10/93	9/92	4/86	3/86	9/91	6/86	-	9/91	8/91					
550000	19thSt	Potrero	Hampshir	MF	BSSR		GP/93	6/92	8/92	9/91	4/92	7/91	9/91	8/91					
551000	19thSt	Hampshir	York	MF	BSSR		LK	6/92	8/92	9/91	4/92	7/91	9/91	8/91					
566000	19thSt	Mission	Valencia	MF	BSSR		LK	5/92	3/92	9/91	4/92	7/91	9/91	8/91					
569000	19thSt	Valencia	Guerrero	MF	BSSR													08/07/92	08/07/95
580000	19thSt	Eureka	Douglass	mf	7271E		LK	8/90	8/92	8/90	11/90	7/90	9/91	8/91					
583000	19thSt	Douglass	Yukon	MF	BSSR		LK	4/86	3/86	9/91	6/86	9/91	9/91	5/92					
655000	20thSt	Missouri	Connecti	MF	BSSR													09/23/92	09/23/95
659000	20thSt	Carolina	DeHaro	RE	....E	12/93	9/92	8/93	2/93	3/93	4/93	9/93	8/93	8/93					
660000	20thSt	DeHaro	RhodeIsl	RE	7254E	12/93	9/92	2/86	2/93	3/93	6/85	2/93	8/93	8/93			8/93		
687000	20thSt	Sanchez	Noe	RE	....E		8/93	8/93	12/94	3/93	8/93	2/93	8/93	8/93			8/93		
730000	21stSt	Treat	Folsom	MF	BSSR		GP/94	6/92	8/92	4/93	7/92	1/92	3/92	5/92					
731000	21stSt	Folsom	Shotwell	MF	BSSR		GP/94	6/92	8/92	1/92	7/92	1/92	3/92	5/92					
746000	21stSt	Church	Sanchez	RE	....E		GP/97	8/85	12/94	3/93	12/84	9/93	8/93	8/93	12/94	UGD			
832000	22ndSt	Church	Vicksbur	RE	....E		GP/97	8/93	12/94	6/94	8/93	9/93	8/93	8/93					
838000	22ndSt	Diamond	Eureka	RE	7254E	12/93	8/93	1/90	2/93	3/93	10/89	10/89	9/91	8/91			3/93		
841000	22ndSt	Douglass	Hoffmann	RE	6424E	7/91												03/15/92	03/15/95
869000	23rdSt	End	Illinois	MF	BSSR		10/92	4/86	3/86	4/92	6/86	1/92	3/92	5/92			10/92		

CULCOP STREET CLEARANCE STATUS REPORT

							UTILITY CLEARANCE DATES												
PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
873000	23rdSt	Minnesot	Indiana	MF	BSSR													04/12/91	04/12/94
891000	23rdSt	SanBruno	Utah	MF	BSSR													08/29/91	08/29/94
906000	23rdSt	Mission	Bartlett	MF	BSSR		GP/94	6/92	8/92	9/94	9/91	9/91	9/91	5/92					
923000	23rdSt	Noe	Castro	MF	BSSR		GP/94	6/92	8/92	1/92	7/92	1/92	3/92	5/92					
974000	24thSt	Potrero	Hampshir	MF	6321E	4/91												07/15/91	07/15/94
975000	24thSt	Hampshir	York	MF	6321E	4/91												07/15/91	07/15/94
976000	24thSt	York	Bryant	MF	6321E	4/91												07/15/91	07/15/94
977000	24thSt	Bryant	Florida	MF	6321E	4/91												07/15/91	07/15/94
978000	24thSt	Florida	Alabama	MF	6321E	4/91												07/15/91	07/15/94
979000	24thSt	Alabama	Harrison	MF	6321E	4/91												07/15/91	07/15/94
981000	24thSt	Harrison	Treat	MF	6321E	4/91												07/15/91	07/15/94
983000	24thSt	Treat	Folsom	MF	6321E	4/91												07/15/91	07/15/94
984000	24thSt	Folsom	Shotwell	MF	6321E	4/91												07/15/91	07/15/94
985000	24thSt	Shotwell	SouthVNs	MF	6321E	4/91												07/15/91	07/15/94
987000	24thSt	SouthVNs	Capp	MF	6321E	4/91												07/15/91	07/15/94
991000	24thSt	Mission	Bartlett	MF	6321E	4/91												07/15/91	07/15/94
993000	24thSt	Bartlett	Valencia	MF	6321E	4/91												07/15/91	07/15/94
995000	24thSt	Valencia	SanJose	MF	6321E	4/91												07/15/91	07/15/94
996000	24thSt	SanJose	Guerrero	MF	6321E	4/91												07/15/91	07/15/94
997000	24thSt	Guerrero	FairOaks	MF	6321E	4/91												07/15/91	07/15/94
999000	24thSt	FairOaks	Dolores	MF	6321E	4/91												07/15/91	07/15/94
1001000	24thSt	Dolores	Chattnga	MF	6321E	4/91												07/15/91	07/15/94
1002000	24thSt	Chattnga	Church	MF	6321E	4/91												07/15/91	07/15/94
1003000	24thSt	Church	Vicksbrg	MF	BSSR	*U/C*	8/93	12/85	3/86	3/89	2/86	3/89	9/91	8/91			8/93		
1004000	24thSt	Vicksbrg	Sanchez	MF	BSSR	*U/C*	8/93	12/85	3/86	3/89	2/86	3/89	9/91	8/91			8/93		
1005000	24thSt	Sanchez	Noe	MF	BSSR	*U/C*	8/93	12/85	3/86	4/87	2/86	4/87	9/91	8/91			8/93		
1011000	24thSt	Hoffman	Fountain	re	6424E	7/91												03/15/92	03/15/95
1055000	25thSt	Pennsylv	Mississp	RE	7146E	10/93	9/92	6/92	2/93	3/93	4/92	7/91	9/91	8/91			3/93		
1067000	25thSt	Vermont	SanBruno	MF	BSSR	*U/C*	8/92	6/92	8/92	1/92	7/92	9/93	3/92	5/92			9/93		
1068000	25thSt	SanBruno	Utah	MF	BSSR	*U/C*	8/93	6/92	8/92	1/92	7/92	9/93	3/92	5/92			9/93		
1071000	25thSt	Potrero	Hampshir	MF	7041E	7/94	8/93	6/92	8/92	1/92	7/92	1/92	3/92	5/92			8/93		
1072000	25thSt	Hampshir	York	MF	7041E	7/94	8/93	6/92	8/92	9/91	4/92	9/91	9/91	8/91			8/93		

CULCOP STREET CLEARANCE STATUS REPORT

							UTILITY CLEARANCE DATES												
PMMS No.	Street	From:	To:	TP	Job Order	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Work Completed	Moratorium Ends On:
1073000	25thSt	York	Bryant	MF	7041E	7/94	4/93	6/92	8/92	9/91	4/92	9/91	9/91	8/91			4/93		
1074000	25thSt	Bryant	Florida	MF	7041E	7/94	LK	6/92	8/92	9/91	4/92	9/91	9/91	8/91					
1096000	25thSt	Guerrero	Dolores	RE	7146E	10/93	LK	1/90	8/92	10/94	1/90	JT	9/91	8/91					
1108000	25thSt	Fountain	Grandvie	re	7146E	10/93	8/93	6/92	2/93	3/93	4/92	7/91	9/91	8/91			8/93		
1153000	26thSt	Kansas	End	MF	BSSR		GP/94	6/92	8/92	1/92	7/92	11/92	3/92	5/92					
1155000	26thSt	Hampshir	York	MF	BSSR		GP/94	6/92	8/92	1/92	7/92	11/92	6/92	5/92					
1181000	26thSt	Church	Sanchez	MF	PMMS		LK	8/93	7/93	7/93	8/93		8/93	8/93					
1220000	27thSt	Diamond	Douglass	RE	6668E	6/92												09/18/92	09/18/95
1257000	28thSt	Castro	Diamond	MF	BSSR		GP/94	6/92	8/92	1/92	7/92	1/92	3/92	5/92					
1285000	29thSt	Mission	Tiffany	MF	BSSR													06/18/93	06/18/96
1284000	29thSt	Tiffany	SanJose	mf	BSSR													06/18/93	06/18/96
1288000	29thSt	Church	Sanchez	MF	BSSR		GP/94	6/92	8/92	1/92	7/92	1/92	3/92	5/92					
1290000	29thSt	Noe	Castro	MF	BSSR		GP/94	4/86	3/86	1/92	2/86	11/92	3/92	5/92					
1291000	29thSt	Castro	Diamond	RE	6424E	7/91												10/15/91	10/15/94

CULCOP Street Work Status Reports

October 4, 1993

DPW - BSSR and Contract/Job Order

Street Paving List

for

October/November, 1993

STREETS TO BE PAVED by BSSR

CULCOP - October/November 1993

				UTILITY CLEARANCES									
Street	From	To	PMMS Recmd Trtmnt	PG&E Gas	PG&E Elec	Pac Bell	SFWD	Viac	Sewer	AWSS	UEB	All Clear Date:	SORTNUM
Barnevel	Rickard	Gaven	OL	3/93	6/92	8/92	12/93	7/92	11/92	3/92	5/92	12/93	2998000
Boylston	Sweeney	Hale	OL	2/93	3/92	3/86	1/92	6/86	11/92	3/92	5/92	2/93	3457000
Castenad	Montalvo	End:West	mf	7/93	8/93	4/93	5/93	4/93	8/93	8/93	8/93	8/93	4345000
Diamond	Beacon	DiamdHts	OL	8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93	8/93	5636000
Diamond	Conrad	Moreland	OL	8/93	6/92	8/92	1/92	7/92	7/93	3/92	5/92	8/93	5640000
Felton	Gambier	Madison	mf	3/93	8/93	3/93	3/93	4/93	2/93	8/93	8/93	8/93	6578000
Felton	Madison	Peru	mf	3/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93	8/93	6579000
Jerrold	3rdSt	Phelps	MF	6/93	1/89	12/88	10/88	10/88	11/92	9/91	8/91	6/93	9347000
Merrill	Sweeny	Hale	OL	2/93	5/92	3/86	1/92	6/86	11/92	3/92	5/92	2/93	11434000
Merrill	Hale	Silver	OL	2/93	5/92	8/92	1/92	7/92	11/92	3/92	5/92	2/93	11435000
Mullen	Alabama	Peralta	MF	6/93	5/92	5/92	1/92	7/92	1/92	3/92	5/92	6/93	11982000
Ogden	Anderson	Ellswort	MF	2/93	5/92	8/92	1/92	7/92	11/92	3/92	5/92	2/93	12568000
Ogden	Folsom	Banks	MF	2/93	5/92	8/92	1/92	7/92	6/92	3/92	5/92	2/93	12571000
Paris	France	Italy	MF	11/92	4/86	3/86	9/91	6/86	7/91	9/91	8/91	11/92	12978000
Paris	Italy	Amazon	MF	11/92	5/92	10/91	9/91	9/91	7/91	9/91	8/91	11/92	12979000
Randall	Whitney	Sanchez	OL	7/93	5/92	8/92	1/92	7/92	7/93	3/92	5/92	7/93	14522000
RhodeIsl	23dSt	24thSt	MF	8/93	5/92	8/92	1/92	7/92	7/93	6/92	5/92	8/93	14663000
Schwerin	Garrison	Kelloch	OL	12/92	5/92	3/92	1/92	7/92	11/92	3/92	5/92	12/92	15546000
Shotwell	24thSt	25thSt	MF	4/93	5/92	8/92	6/95	7/92	7/93	6/92	5/92	6/95	15744000
Shrader	Grattan	Alma	MF	7/93	5/92	3/86	1/92	6/86	7/93	3/92	5/92	7/93	15769000
Tunnel	Lathrop	Visitaci	MF	1/93	7/93	8/92	1/92	7/92	7/93	6/92	5/92	7/93	16803000
Warren	Oak Park	Christop	mf	8/93	8/93	3/93	3/93	8/93	2/93	8/93	8/93	8/93	17749000
Wills	MiddlePn	End	OL	10/92	5/92	8/92	1/92	7/92	6/92	3/92	5/92	10/92	18081000
24thSt	Church	Vicksbrg	MF	8/93	12/85	3/86	3/89	2/86	3/89	9/91	8/91	8/93	1003000
24thSt	Vicksbrg	Sanchez	MF	8/93	12/85	3/86	3/89	2/86	3/89	9/91	8/91	8/93	1004000
24thSt	Sanchez	Noe	MF	8/93	12/85	3/86	4/87	2/86	4/87	9/91	8/91	8/93	1005000
25thSt	Vermont	SanBruno	MF	8/92	6/92	8/92	1/92	7/92	9/93	3/92	5/92	9/93	1067000
25thSt	SanBruno	Utah	MF	8/93	6/92	8/92	1/92	7/92	9/93	3/92	5/92	9/93	1068000

STREETS TO BE PAVED by Job Order

CULCOP - October/November 1993

				UTILITY CLEARANCES									
Const Date	Street	From	To	PG&E Gas	PG&E Elec	Pac Bell	SFWD	Viac	Sewer	AWSS	UEB	All Clear Date:	SORTNUM
10/93	Felton	Harvard	Gambier	3/93	3/90	3/93	3/93	1/90	11/92	9/91	8/91	3/93	6577000
10/93	Harrison	14thSt	15thSt	2/93	5/92	5/92	1/94	9/91	7/91	9/91	8/91	1/94	8190000
10/93	Harrison	15thSt	16thSt	2/93	5/92	3/86	1/89	6/86	11/92	9/91	8/91	2/93	8192000
10/93	Harrison	16thSt	17thSt	2/93	5/92	5/92	9/91	9/91	7/91	9/91	8/91	2/93	8193000
10/93	Harrison	17thSt	18thSt	2/93	5/92	5/92	9/91	9/91	7/91	9/91	8/91	2/93	8195000
10/93	Harrison	18thSt	19thSt	2/93	5/92	5/92	9/91	9/91	JT	9/91	8/91		8197000
10/93	Harrison	19thSt	20thSt	2/93	5/92	5/92	9/91	9/91	7/91	12/91	8/91	2/93	8199000
10/93	Harrison	20thSt	21stSt	4/93	5/92	12/87	2/88	7/88	1/92	9/91	8/91	4/93	8202000
10/93	Harrison	21stSt	22ndSt	4/93	5/92	5/92	9/91	9/91	JT	9/91	8/91		8203000
10/93	Harrison	22ndSt	23rdSt	4/93	5/92	5/92	9/93	9/91	8/93	9/91	8/91	9/93	8204000
10/93	17thSt	Church	Sanchez	7/93	2/86	6/85	5/85	4/85	7/91	9/91	8/91	7/93	391000
10/93	17thSt	Sanchez	Noe	9/92	5/92	4/93	9/91	4/92	1/92	9/91	8/91	4/93	394000
10/93	17thSt	Noe	Hartford	9/92	5/92	8/92	9/91	4/92	7/91	9/91	8/91	9/92	394999
10/93	17thSt	Hartford	Market	9/92	12/90	3/92	6/90	4/92	3/93	9/91	8/91	3/93	395000
10/93	17thSt	Castro	Collinwo	9/92	12/90	3/92	6/90	4/92	JT	9/91	8/91		396000
10/93	17thSt	Collinwo	Diamond	9/92	5/92	3/92	9/91	4/92	7/91	12/91	8/91	9/92	397000
10/93	17thSt	Diamond	Eureka	9/92	5/92	3/92	9/91	4/92	7/91	9/91	8/91	9/92	399000
10/93	17thSt	Eureka	Douglass	9/92	5/92	12/87	1/88	2/88	7/91	9/91	8/91	8/92	400000
10/93	18thSt	Mission	Valencia	1/93	4/86	3/86	12/92	6/86	11/92	9/91	8/91	1/93	472000
10/93	18thSt	Valencia	Guerrero	1/93	5/92	3/92	12/92	4/92	11/92	9/91	8/91	1/93	476000
10/93	18thSt	Guerrero	Dolores	7/93	4/86	3/86		6/86	11/92	9/91	8/91		478000
10/93	18thSt	Dolores	Church	7/93	4/86	3/86	12/92	6/86	7/91	9/91	8/91	7/93	479000
10/93	18thSt	Church	Sanchez	7/93	4/86	3/86	12/92	6/86	7/91	9/91	8/91	7/93	480000
10/93	18thSt	Sanchez	Noe	9/92	5/92	3/93	9/91	4/92	7/91	9/91	8/91	3/93	481000
10/93	18thSt	Noe	Castro	9/92	5/92	3/93	9/91	4/92	7/91	9/91	8/91	3/93	483000
10/93	18thSt	Castro	Collingw	9/92	5/92	3/92	9/91	4/92	7/91	9/91	8/91	9/92	484000
10/93	18thSt	Collinwo	Diamond	9/92	5/92	3/92	9/91	4/92	7/91	9/91	8/91	9/92	485000
10/93	18thSt	Diamond	Eureka	9/92	5/92	3/92	9/91	4/92	7/91	9/91	8/91	9/92	486000
10/93	18thSt	Eureka	Douglass	9/92	4/86	3/86	9/91	6/86	-	9/91	8/91		487000
10/93	25thSt	Pennsylv	Mississp	9/92	6/92	2/93	3/93	4/92	7/91	9/91	8/91	3/93	1055000
10/93	25thSt	Guerrero	Dolores	LK	1/90	8/92	10/94	1/90	JT	9/91	8/91		1096000
10/93	25thSt	Fountain	Grandvie	8/93	6/92	2/93	3/93	4/92	7/91	9/91	8/91	8/93	1108000

CULCOP Street Work Status Reports

October 4, 1993

STREETS PAVED

7/1/93 TO 9/30/93

10/04/93

STREETS PAVED 7/1/93 - 9/30/93

Street	From	To	SORTNUM	Paving Completed
Alpha	Teddy	Arleta	2385000	08/05/93
Avalon	Moscow	Peru	2801000	08/05/93
Bayview	3rdSt	Latona	3125000	08/06/93
Bemis	Miguel	Bemis	3261000	09/07/93
Bemis	Bemis	Addison	3262000	09/07/93
Bemis	Addison	Mateo	3263000	09/07/93
Bemis	Mateo	Roanoke	3264000	09/08/93
Benton	End	Genebern	3277000	07/20/93
Benton	Genebern	College	3278000	07/19/93
Charter	Augusta	Silver	4518000	08/10/93
Conrad	Diamond	Arbor	5085000	07/16/93
Danton	Cayuga	Still	5392000	08/20/93
Delta	Hamilton	Harkness	5551000	08/04/93
Delta	Harkness	Wilde	5552000	08/09/93
Dorland	Church	Sanchez	5814000	07/16/93
Duncan	SanJose	Guerrero	5898000	08/19/93
Elmira	Shafter	Helena	6167000	08/09/93
Elmira	Augusta	Silver	6170000	08/09/93
Hickory	Webster	Buchanan	8380000	09/13/93
Howth	Ocean	Geneva	8588000	08/26/93
Hubbell	7thSt	16thSt	8593000	08/13/93
Keith	Oakdale	Palou	9731000	08/06/93
Kirkwood	Newhall	Phelps	9870203	07/02/93
Laidley	Noe	Harper	10044000	08/24/93
Laidley	Harper	Fairmoun	10046000	08/24/93
Lane	Shafter	Thomas	10208000	07/01/93
Marsily	Bosworth	End	11182000	08/20/93
Maynard	Congdon	Gladston	11285000	09/23/93
Mercedes	Cerritos	Paloma	11414000	08/30/93
Montcalm	York	Wright	11797000	08/19/93
Moscow	Excelsio	Brazil	11933000	07/23/93
Moultrie	Crescent	End	11955000	08/11/93
Murray	Mission	Genebern	12000000	08/25/93
Murray	Genebern	College	12001000	08/25/93
Murray	College	Justin	12002000	08/25/93
Plymouth	SanRamon	Wildwood	13328000	07/21/93
Quesada	3rdSt	Newhall	14411000	09/21/93
Quesada	Rankin	Selby	14416000	09/17/93
SanMigue	Niagara	MtVernon	15334000	08/31/93
Santos	Sunnydal	Brookdal	15508000	09/16/93
Santos	Brookdal	Blythdal	15509000	09/15/93
Thomas	Maddux	Quint	16625000	09/14/93
Thomas	Silver	End	16628000	09/13/93
Tiffany	29thSt	Duncan	16664000	07/06/93

/93

STREETS PAVED 7/1/93 - 9/30/93

reet	From	To	SORTNUM	Paving Completed
ipple	Mission	Ellingto	17991000	08/17/93
ipple	Ellingtn	Rae	17992000	08/18/93
ipple	Rae	Huron	17993000	08/18/93
thAve	Quintara	9thAve	88201	09/29/93
rdAve	Kirkham	Lawton	854000	09/10/93
thAve	Rivera	Santiago	1131000	09/27/93
thAve	Cabrillo	Fulton	1233000	07/15/93
thAve	Balboa	Cabrillo	1475000	07/13/93
thAve	Cabrillo	Fulton	1476000	08/17/93
thAve	Balboa	Cabrillo	1500000	07/12/93
thAve	Cabrillo	Fulton	1501000	07/12/93

CULCOP Street Work Status Reports

October 4, 1993

Moratorium and Paving Schedule

Conflicts Report

MORATORIUM & PAVING SCHEDULE CONFLICTS

							UTILITY CLEARANCE DATES											
PMMS No.	Street	From:	To:	Job Order	TP	Const Date	PG&E GAS	PG&E ELEC	Pac Bell	SFWD	VIAC	Sewer	AWSS	UEB	Misc	Clearance Remarks:	All Clear Date	Moratorium Ends On:
4376000	Castro	Hill	22ndSt	7252E	mf	4/94	LK	1/87	2/93	8/95	4/93	9/93	8/93	8/93		**CONFLICT**		
4377000	Castro	22ndSt	Alvarado	7252E	mf	4/94	8/93	1/87	2/93	8/95	4/93	7/93	8/93	8/93		**CONFLICT**	8/95	
5755000	Dolores	25thSt	26thSt	7317E	MF	9/94	LK	12/88	9/93	8/95	6/86	7/93	9/91	8/91		**CONFLICT**		
5757000	Dolores	26thSt	Army	7317E	MF	9/94	LK	12/88	9/93	8/95	6/86	7/93	9/91	8/91		**CONFLICT**		
5758000	Dolores	Army	27thSt	7317E	MF	9/94	LK	12/88	9/93	8/95	4/88	7/93	9/91	8/91		**CONFLICT**		
5759000	Dolores	27thSt	Duncan	7317E	MF	9/94	LK	12/88	9/93	8/95	4/88	7/93	9/91	8/91		**CONFLICT**		
5760000	Dolores	Duncan	28thSt	7317E	MF	9/94	LK	5/88	9/93	8/95	4/88	-	9/91	8/91		**CONFLICT**		
5762000	Dolores	28thSt	Valley	7317E	MF	9/94	LK	5/88	9/93	8/95	4/88	-	9/91	8/91		**CONFLICT**		
5762000	Dolores	Valley	29thSt	7317E	MF	9/94	LK	12/88	9/93	8/95	8/88	-	9/91	8/91		**CONFLICT**		
5763000	Dolores	29thSt	Day	7317E	MF	9/94	LK	12/88	9/93	8/95	8/88	-	9/91	8/91		**CONFLICT**		
5764000	Dolores	Day	30thSt	7317E	MF	9/94	LK	11/88	9/93	8/95	4/88	-	9/91	8/91		**CONFLICT**		
5765000	Dolores	30thSt	SanJose	7317E	MF	9/94	LK	5/88	9/93	8/95	4/88	-	9/91	8/91		**CONFLICT**		
8190000	Harrison	14thSt	15thSt	6690E	MF	10/93	2/93	5/92	5/92	1/94	9/91	7/91	9/91	8/91		**CONFLICT**	1/94	
12101000	Natoma	7thSt	8thSt	7041E	MF	6/94	12/92	5/92	10/94	9/91	9/91	9/91	9/91	8/91		**CONFLICT**	10/94	
15055000	Sacramen	Leavenwr	Hyde	6428E	MF	9/93	2/93	12/93	6/93	1/93	4/93	11/92	8/93	8/93		**CONFLICT**	12/93	
15058000	Sacramen	Polk	VanNess	6428E	MF	9/93	2/93	12/93	6/93	6/93	4/93	11/92	8/93	8/93		**CONFLICT**	12/93	
2111000	8thAve	Lawton	Moraga	7168E	mf	9/93	5/93	12/93	10/91	1/92	4/93	1/92	3/92	5/92		**CONFLICT**	12/93	

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1ST - Dept. of Public Works

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

COMMITTEE MEETING NO. 351

DOCUMENTS DEPT.
APR 22 1994
SAN FRANCISCO
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BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR

TUESDAY May 10, 1994
10:00 AM

AGENDA:

Minutes of April 12, 1994 Meeting

Old Business:

- Caltrans Projects
- Stick Map
- Caltrans Streets
- Utility Support, Work Around and Protect Agreement
- Utility Liaison Process
- Curb Ramp requirements for New, Maintenance, or Repair Construction Projects
- New Paving Candidate List
- Sunshine Ordinance

New Business:

- MUNI's Noriega Line Project
- Underground Service Alert Notification

New Items for discussion:

- Port of SF Street Vacations

City and County of San Francisco

Department of Public Works
Bureau of Engineering

Committee for Utility Liaison on Construction and Other Projects
(CULCOP)

The Committee is established under Section 5.63 (a) of the San Francisco Administrative Code (copy attached), approved as part of Ordinance 273-74. The Sunshine Ordinance therefore applies. These notes describe its current activities.

CULCOP is the forum for sorting out routine operational problems arising when many agencies are active in maintaining the City's various infrastructure systems in the same streets. For example, it makes sense to repair a pipeline before we resurface the pavement, instead of digging up a newly paved street. The objective is to minimize disruption and expense to the general public we all serve, while also giving the most cost-effective service, by resolving conflicts in scheduling before the work begins.

CULCOP is primarily a forum to share information and resolve conflicts as they affect City or Utility construction work. The Department of Public Works also uses the CULCOP forum as one of its avenues for disseminating and clarifying information regarding City, State, and Federal construction codes and other regulations as they evolve, such as the requirements for street usage and opening permits or trench restoration standards.

The center of the CULCOP process is the monthly street work status report, published as part of the meeting minutes, and its various subsets. The status report is a listing of streets the City intends to resurface, together with the dates on which each utility agency expects to complete its subsurface work or informs us it has no such work. The process also serves to alert the utilities of scheduling problems among themselves. Linked to the tabular report is a graphic display of all planned utility and paving work for the next five years, generated by a computer drafting program in either electronic (disk) or plotted (acetate sheets) format. A sample copy of the minutes package is attached. Copies of the current minutes package are available on request.

Meetings, currently, are at 10:00 am on the second Tuesday of each month, in the fourth floor conference room of the Bureau of Engineering offices at 1680 Mission Street. Interested persons are free to attend. For more information, call Nelson Wong, Manager of the Civil Engineering Division (554-8282), or Robert Mason (554-8251) or Joseph Norris (554-8274) of the Bureau's Project Development Section, which facilitates CULCOP for the Department of Public Works.

04/07/94

advance planning, and other means to insure minimum disruption and inconvenience to the general public using the surface of the streets; utility joint trenches; utility tunnels; and condition of trench repairs. (Added by Ord. 273-74, App. 6/6/74)

SEC. 5.63. STREET UTILITIES COORDINATING COMMITTEE — SUBCOMMITTEES. There are hereby established two subcommittees to the Street Utility Coordinating Committee as follows:

(a) **Committee for Utility Liaison on Construction and Other Projects (CULCOP).** This subcommittee shall consist of staff level personnel from the Bureau of Engineering of the Department of Public Works, San Francisco Water Department; Hetch Hetchy Water and Power System; Municipal Railway; San Francisco Fire Department; San Francisco Department of Electricity; San Francisco Redevelopment Agency; Pacific Gas and Electric Company, Gas Division, Pacific Gas and Electric Company, Electric Division; Pacific Telephone Company, Western Union and the Television Signal Corporation. The chair shall be a representative of the Bureau of Engineering as designated by the City Engineer. Meetings shall be monthly at a time and place designated by the chair. The duties of this subcommittee will be to work out scheduling of utility work that is connected with Department of Public Works projects and to plan the utilities undergrounding construction program.

(b) **Committee for Planning Utility Construction Program.** This subcommittee shall consist of representatives of the Department of Public Works, San Francisco Water Department, Hetch Hetchy Water and Power System, San Francisco Police Department; Pacific Gas and Electric Company, Gas Division; Pacific Gas and Electric Company, Electric Division; Pacific Telephone Company; Western Union, and Television Signal Corporation. The chair shall be a representative of the Department of Public Works as designated by the Director of Public Works. Meetings shall be at the call of the chair. This subcommittee shall be responsible for detailed planning of a 12 months construction program of all street utilities, exclusive of Public Works Department projects which are financed wholly or in part by gas tax or ad valorem funds and utilities undergrounding program, including traffic regulations during utility construction or maintenance, and other duties as assigned by the Street Utilities Coordinating Committee. The Director of Public Works shall transmit to private utility companies and to said subcommittee a list of approved gas tax and ad valorem projects, as soon as such projects are approved by the Board of Supervisors. (Added by Ord. 273-74, App. 6/6/74).

City and County of San Francisco

Department of Public Works
Bureau of Engineering

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04/07/94

1680 MISSION STREET, SAN FRANCISCO, CA 94103 (415) 554-8232 / FAX (415) 554-8203

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 350
April 12, 1994

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Ron Fong	554-8273
Arthur Lee	554-8252
Robert Mason	554-8251
Joe Ovadia	554-8250
Joseph Norris	554-8274
Maria Poulo	554-8275
Richard Skaff	554-8212
James Walsh	554-8272
Nelson Wong	554-8282
Ashur Yogesh	431-9430

Bureau of Street and Sewer Repair

Niles McDonald	695-2155

Department of Parking & Traffic

Traffic Engineering

Scott Broady

Caltrans

Permits

Dean Drablos	621-5550
Tom Franklin	(510)286-4424
Don Manning	557-1261

Pacific Bell

George Childs	(510)943-4422

Pacific Gas & Electric Co.

Randy Yuen	695-3550

Public Utilities Commission

Utility Engineering Bureau

Drew Howard	554-3236
Charles Kascal	554-1803

San Francisco Water Department

Marion Meyer	550-4920

Viacom Cablevision

Mike Callow	863-8500

MINUTES OF MEETING No. 350

April 12, 1994

The section, "Permits in Joint Jurisdictions," in the last meeting's minutes was corrected to reflect that Mr. Nelson Wong wrote to Mr. Troyan, to inform people requesting permits on areas which may have dual jurisdiction that they must also get a Caltrans permit. The March 8, 1994 Minutes were approved as amended.

OLD BUSINESS

Caltrans Projects Mr. Manning reported that the temporary beams that were used to support the freeway structures during the seismic retrofitting of Hwys. 101 and 280 have been removed near Silver Avenue. Work continues on installing permanent columns along the freeways. Caltrans will soon be starting to install curb ramps on Sloat Blvd., 19th Ave., and on other locations. Mr. Wong suggested a plan review with the City's Curb Ramp Program Coordinator, Mr. Ron Fong, to ensure that ramps meet specifications.

Stick Map The contract modification forms have been sent to Administration. Since the contract with Brighter Images has expired, we cannot process updates until the new contract is approved and a Notice to Proceed is issued.

CALTRANS Streets The City's Real Estate Department still needs to review all streets on the list. In the meantime, Caltrans has relinquished some parcels along 280 which should be removed from the list. Also, Project Development found that several streets listed do not actually exist, for example, Silver Ave. from 3rd St. to 4th St. Mr. Franklin suggested a meeting be scheduled with their office and DPW to finalize the list. Several agencies would find this information very useful, particularly for permits on streets with dual jurisdictions.

Utility Support, Work Around and Protect Agreement A letter was sent by the City's representative, Mr. Larry Wong, to utilities who are not signatories to the original agreement and do underground construction. The letter asked if these utilities would want to participate in the discussions to review the costing formula in the agreement. A response by April 15 was requested. After that time, utilities who have stated an interest will be contacted regarding the details for the meeting. Per Mr. Callow, Viacom has written a letter affirming their interest in participating in these discussions.

Utility Liaison Process According to Mr. Kascal, several MUNI projects were not included in the report that was previously distributed; among them: Market St. Phase 4 which will be awarded soon, railway work on 19th Avenue, from Winston to Junipero Serra, which went out to bid on April 12, and a planned project on the Fisherman's Wharf Loop. Mr. Franklin asked if an encroachment permit has been obtained on the

19th Ave. project which is on Caltrans' right-of-way. Mr. Kascal stated that it was necessary to break up the original project into two phases and the original permit is still valid. The project includes putting in platforms, a transit shelter, and crossover tracks. Mr. Nelson Wong asked if the platforms would include ramps for disabled access. Mr. Kascal stated the platforms would be a similar design as the ones used near Holloway, which are handicapped accessible. In fact, MUNI will be presenting to the Task Force Advisory Committee, the designs for 14 miscellaneous loading islands in various locations for review.

Mr. Kascal asked if we can delay repaving Ocean Avenue until the MUNI project scheduled for 1996 or 1997. Funding has been obtained for replacing worn rails and installing loading platforms which are handicapped accessible Mr. Ovadia sees no problem in coordinating our resurfacing project which is currently scheduled for January, 1997. Mr. Broady said this may also be a good opportunity for DPT to put in new conduit for traffic signals.

Mr. Mason asked if there was a contact person in the Utility Engineering Bureau (UEB) who might be able to provide reports for all Public Utility Commission (PUC) projects for inclusion in the CULCOP's Utility Coordination Report. Mr. Kascal is the contact person, however, after July this year, the UEB will no longer exist under the PUC. Mr. Kascal will be providing a new listing of known MUNI projects next week to CULCOP, in time for distribution with next month's reports. Mr. Wong asked if it might be possible to obtain a similar report from the Water Dept. Ms. Meyer said she will be able to generate a report on water main projects that are in planning or in design.

Curb Ramp Requirements for New, Maintenance, or Repair Construction Projects
Mr. Fong stated that the City Attorney is currently reviewing the requirement for utilities to put in or to replace non-conforming curb ramps whenever a project crosses the path of travel. DPW will invite utilities to further discuss enforcement and curb ramp design issues once the review has been completed.

Certain aspects on the standard Curb Ramp drawing, such as coloration and contrast are being worked out. The final Curb Ramp specifications will be distributed to CULCOP as soon as they are finalized. DPW has adopted the rule of using only directional curb ramps, primarily because ramps in the center of a return pose a danger for the blind community. Proposals for the installation of curb ramps in the center of a return are handled on an exception basis and go through an objective review process by the DPW Accessibility Advisory Task Force. The committee meets regularly, on the third Wednesday of every month. Per Mr. Skaff, the review process allows decisions to be made based on quantifiable and documented reasons, and provides protection whenever questions arise as to why a non-standard curb ramp was installed.

According to Mr. Skaff, the California State Attorney's office has ruled that the Office of the Architect and the Department of Transportation must comply with Title 24

requirements. The City may be able to work out a joint coordination effort with Caltrans on their projects. Mr. Wong suggested a review be conducted by the Bureau of Engineering to ensure curb ramps installed meet design specifications. This will avoid costly and inconvenient re-do's of non conforming ramps. Mr. Ron Fong is the contact person in BOE's Project Development Section.

New Paving Candidate List The CULCOP only includes 334 new paving candidates instead of the 500 that was announced at the last meeting. Ms. Poulo pointed out that there are two "Clearance Update" reports in the latest CULCOP. The first lists new streets added that are assigned and scheduled for paving. The second report lists streets identified by the Pavement Management System as paving candidates and are not yet assigned. Please provide your clearance information as soon as possible so that we may schedule paving on these to minimize utility conflicts.

Sunshine Ordinance Mr. Wong asks members to review the handout provided which includes a brief description of CULCOP's purpose and a copy of the SF Administrative Code establishing the committee (see Attachment "A"). A copy of the write-up will be sent, along with these minutes, to the Main Library's Document Department for posting in compliance with the Sunshine Ordinance requirements. There have been many changes to the committee since its inclusion in the Administrative Code in 1974, and a revision of the code may be in order to better reflect what we do here. CULCOP by-laws need to be adopted and further discussions are planned for the following months' meetings.

NEW BUSINESS

MUNI's Noriega Line Project A presentation of the No. 71 Noriega Electrification project was made by Mr. Drew Howard of UEB. Details were provided in a handout which includes a Gant chart of the various tasks and a location map of the trolley coach system. There are four projects thus far for the line which goes from the Ferry to Ocean Beach at 47th Avenue and Noriega. The project has been approved by ISCOTT and is now in the conceptual engineering phase. At the end of this phase, in September 1994, Mr. Howard will be able to provide the exact locations of the duct banks. Construction will begin in March, 1996 with a new terminal island, and run for a period of about 14 months, to May, 1997. Handicapped accessible vehicles will be used and new aerials will be installed for these along Lincoln, Frederick, and Stanyan Streets.

Mr. Art Lee asked if there has been any thought about handling possible citizen complaints because of increased vibrations caused by articulated buses. Mr. Childs asked if it would be necessary to move any overhead utility facilities and the possibility of undergrounding these instead to make use of available funds. Mr. Howard will be looking into these issues. Mr. Wong said traffic signals may have to be relocated as well and will see if coordination is possible. BOE should also be involved to make sure curb ramp design and disability access facilities conform. Mr. Howard will be

making a presentation to the Accessibility Task Force at their next meeting. Lastly, Caltrans encroachment permits would be necessary, such as on 19th Avenue and Lincoln Way.

Underground Service Alert (USA) Notification Mr. Franklin asked if other agencies have had to contact USA when they core a street to see its existing structural section. Mr. Yuen, regarding PG&E's gas leak detection program, does call USA to have them mark the pavement where other utilities are and gets permits for the various locations. Statutorily, Caltrans is exempt from being a member, primarily since most of their work is on freeways. However, it's always a good idea to contact USA anytime holes are dug on City streets or in areas where there might be underground facilities.

The next meeting will be at 10:00 am Tuesday, May 10, 1994, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission Street.

CULCOP - Minutes of Meeting No. 350

ATTACHMENT "A"

Committee for Utility Liaison on Construction and Other Projects

SF Administrative Code

Section 5.63.a

CULCOP - Minutes of Meeting No. 350

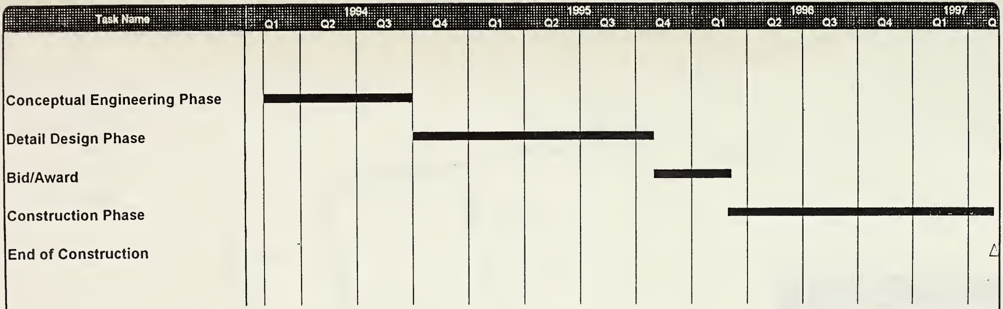
ATTACHMENT "B"

Public Utilities Commission
Utility Engineering Bureau

Project No. MO99.0

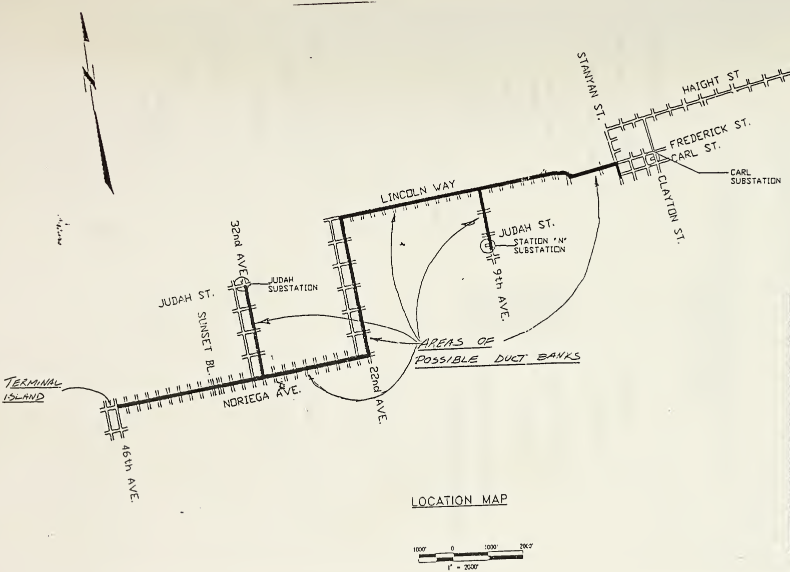
MUNI No. 17 Noriega Electrification

M099.0 No. 71 Noriega Electrification



71 NORIEGA ELECTRIFICATION

- Electrify existing diesel bus line
  - 3.9 miles new trolleywire
  - 1.8 miles existing trolleywire
- New Duct Bank
  - 4.5 miles duct bank (estimated)
- New Terminal Island
  - 185' Loading Island on Noriega between 46th and 47th Ave.
- Construction Period
  - March 1996 to May 1997


HAIGHT ST
STANYAN ST.
FREDERICK ST.
CARL ST.
CARL SUBSTATION
CLAYTON ST.
LINCOLN WAY
JUDAH ST.
STATION 'N' SUBSTATION
9th AVE.
32nd AVE.
JUDAH SUBSTATION
JUDAH ST.
SUNSET BL.
22nd AVE.
AREAS OF POSSIBLE DUCT BANKS
TERMINAL ISLAND
NORIEGA AVE.
46th AVE.
1000'
0
1000'
2000'
1" = 2000'

LOCATION MAP

VICINITY MAP
NOT TO SCALE

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
UTILITIES ENGINEERING BUREAU

APPROVED
APPROVED

UTILITIES ENGINEERING BUREAU
GENERAL MANAGER
SAN FRANCISCO MUNICIPAL RAILWAY

TROLLEY COACH SYSTEM
No. 71 NORIEGA ELECTRIFICATION

LOCATION/VICINITY MAP

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 351

May 10, 1994

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Ron Fong	554-8273
Marivic Huff	554-8340
Arthur Lee	554-8252
Robert Mason	554-8251
Thinh Nguyen	550-2750
Joe Ovadia	554-8250
Maria Poulo	554-8275
James Walsh	554-8272

Bureau of Street and Sewer Repair

Niles McDonald	695-2155

Bureau of Street Use Management

Cybthia Chono	554-6196

Department of Parking & Traffic

Traffic Engineering

Scott Broady

Caltrans

Permits

Dean Drablos	621-5550
Don Manning	557-1261

Pacific Bell

George Childs	(510)943-4422

Pacific Gas & Electric Co.

Randy Yuen	695-3550

Public Utilities Commission

Utility Engineering Bureau

Charles Kascal	554-1803

San Francisco Thermal

Gordon Judd	777-3415

San Francisco Water Department

Rusty Alvarez	550-4920
Marion Meyer	550-4920

MINUTES OF MEETING No. 351
May 10, 1994

Mr. Manning noted a correction in the minutes regarding Caltrans projects. It should show that the large temporary beams are being installed (not removed) near Silver Ave. to support the freeway structures. The May 10, 1994 Minutes were approved as amended.

OLD BUSINESS

Caltrans Projects Mr. Manning reported that work proceeds on the seismic retrofitting of Hwys. 101 and 280. He asked if the utlities were experiencing any problems in relation to the freeway work. There are apparently none at this time.

Stick Map Ms. Poulo reported that the contract modification for the additional user required features and reports has been certified. A meeting with Brighter Images now needs to be scheduled in order to work out the details for acquiring the software and equipment to run the program in-house. Participating agencies and utilities are asked to start preparing their project updates so that we may enter them into the CULCOP Scheduling System.

CALTRANS Streets Project Development provided a listing of discrepant streets to Mr. Drablos to verify.

Utility Support, Work Around and Protect Agreement The meeting to review the agreement is scheduled for June 2, at 1:30 PM in the DPW Construction Management Conference Room. Mr. Larry Wong has sent a letter containing the details of the meeting to all utilities who have stated an interest in participating. (see Attachment 1)

Utility Liaison Process The report containing all Muni projects and their status is currently being prepared by Mr. Kascal and will be included in the next mailing. Mr. Mason asked if the Water Department had prepared a similar utility coordination report. Ms. Meyer said CULCOP needs to send a formal request to Joe Pelayo for SFWD projects information. Ms. Chono asked if there will be a contact person at the Public Utilities Commission who will be responsible for MUNI, Hetch Hetchy and the Water Departments' capital improvement projects after the disbanding of the Utility Engineering Bureau this coming July. Mr. Kascal answered that effectively, there should be no difference. He would still be the contact on all MUNI projects, SFWD's person (Ms. Meyer) would remain the same, and Hetch Hetchy is out of town and would not affect utilities within the City.

Curb Ramp Requirements for New, Maintenance, or Repair Construction Projects The City Attorney's office is still reviewing the requirements brought about by a case in Philadelphia for utility companies to install or replace non-conforming curb ramps whenever a project crosses the path of travel, according to Mr. Ron Fong. In addition,

the current curb ramp standard plans are being revised based on new ADA and Title 24 requirements. Mr. Fong anticipates a draft to be submitted at the next meeting, with discussions held the following month. Mr. Childs asked if the path of travel issue or overall policies will be discussed. Mr. Fong said the Department is waiting for the City Attorney's review of the Philadelphia case, however utilities will be given a chance to respond before a new policy is finalized.

New Paving Candidate List The new streets have been incorporated into the Master Status Report. These streets are in capital letters and have the preliminary clearance information that was provided a few months ago. DPW is currently considering these streets for paving this year as they appear to have no major utility projects scheduled on them. Any utility clearance changes should be noted and sent in as soon as they are known. Mr. Mason asked the utilities to provide an alternate who can provide clearance information if we cannot reach the primary contact person. Project Development received a special request to pave and was having difficulty in obtaining clearances on short notice.

Sunshine Ordinance Members have had a chance to review the draft containing the description of CULCOP's purpose. Everyone agrees with it and no revisions to the document were suggested. Mr. Mason reported that according to the Main Library, the designated depository for all City committees' documents, CULCOP is ahead of many others in meeting the Ordinance requirements.

MUNI's Noriega Line Project Mr. Childs suggested that there may have been a misunderstanding regarding the undergrounding of utility facilities. A letter was already sent by Mr. Trimbur, Project Manager of the BSM's Undergrounding Program, for a small part of it; however, it may make sense to look at the whole project. Ms. Chono agrees, adding that the street is going to be paved afterwards. Mr. Kascal informed the committee that the routing has been changed from 22nd Ave. to 23rd Ave. Mr. Childs said the Undergrounding Committee is interested in where the overhead lines and duct banks will go. No final determination has yet been made on the locations of the duct banks and Mr. Kascal will provide that information to CULCOP as soon as it is available. He added that the 14 Mission Phase 2 project may also be of interest. Mr. Childs requested copies of maps on the project. He said the Undergrounding Committee may be the right forum for disseminating this information.

NEW BUSINESS

North Embarcadero Project A meeting was held the previous day to go over the conflicts between proposed sewer facilities and the various existing utilities. Most of the utilities and City agencies did have representatives at this meeting. Mr. Walsh stressed that this critical project should not be impacted by routine utility conflicts. However, utility companies are asked to respond as soon as possible should any conflicts or emergencies come up. Please contact John Pons at 554-8208 or Larry Wong at 431-9430 if you have any further questions. DPW also has a North Embarcadero field office and

the phone number there is 392-1442. Bob Rincon is the Resident Engineer in this project.

Port of SF Street Vacations Mr. Zeller discussed the proposed street vacations on a portion of Third Street, between Fourth St. and Channel, on Fourth St., Louisiana to Michigan, and on Louisiana St., El Dorado to Fourth St. (see Attachment 2) The Port sent notifications to 31 City agencies and utility companies about the Third Street closure and only 12 have thus far replied. The deadline for responses to the Port is May 20. Meanwhile, the Fourth Street vacation is being handled by DPW's Bureau of Street Use Management (BSM). The preliminary plans on Fourth St. that were handed out is for informational purpose only. Ms. Chono said BSM's Tom Trimbur, who is managing the Mission Bay Development project, of which this is a part, is the contact person.

The next meeting will be at 10:00 am Tuesday, June 14, 1994, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission Street.

CULCOP MEETING No. 351 Minutes
Attachment 1

ity and County of San Francisco

Department of Public Works
Bureau of Construction Management

May 9, 1994

To: Participating Agencies
and Other Interested Parties

Subj: Utility Support, Work Around and Protect Agreement
Review of Agreement

A meeting will be held on June 2, 1994 to review the existing utility support, work around and protect agreement between the City and the various participating agencies. Attached is a copy of the agenda.

Since your agency or company has indicated interest in pursuing the review of the agreement, you are invited to send a representative to the meeting.

The meeting will be held at:

Date: June 2, 1994
Time: 1:30 PM
Place: DPW Construction Management
2nd Floor Conference Room

Street parking is available around the office on both Evans Avenue and Newhall Avenue.

If you have any questions, please call me at (415) 550-2750.

Sincerely yours,

Larry Wong
Division Manager
Bureau of Construction Manager

550 Evans Avenue
an Francisco, CA 94124

P.O. Box 429360
San Francisco, CA 94142-9360

(415) 431-9430
FAX (415) 550-0831

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

Meeting No. 352

Tuesday, June 14, 1994
10:00 AM

Fourth Floor Conference Room
Bureau of Engineering
1680 Mission Street
San Francisco, CA 94103

AGENDA:

I. Minutes of the April 12 Meeting

- Caltrans Projects
- Stick Map
- Caltrans Streets
- Utility Support, Work Around and Protect Agreement
- Utility Liaison Process
- Sunshine Ordinance
- MUNI's Noriega Line Project
- North Embarcadero Project

II. New Agenda Item

- MUNI Platform Construction Project

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

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UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 352
June 14, 1994

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Ron Fong	554-8273
Arthur Lee	554-8252
Dave Moore	431-9430
Joe Norris	554-8274
Maria Poulo	554-8275
Nelson Wong	554-8282

Bureau of Street and Sewer Repair

Niles McDonald	695-2155

Bureau of Street Use Management

Cynthia Chono	554-6196

Department of Parking & Traffic

Traffic Engineering

Roop Jindal	554-2330

Caltrans

Permits

Dean Drablos	621-5550
Thomas Franklin	(510)286-4424

Pacific Bell

George Childs	(510)943-4422

Public Utilities Commission

Utility Engineering Bureau

Charles Kascal	554-1803

San Francisco Thermal

Gordon Judd	777-3415

San Francisco Water Department

Rusty Alvarez	550-4920

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 352
June 14, 1994

The May 10, 1994 Minutes were accepted with the notation that Ms Chono's name is spelled "Cy***n***thia".

Mr. Wong called attention to the new page at the front of the Minutes package that provides information, as required by Ordinance, about accessibility and other accomodations for persons with disabilities.

The CULCOP person for the Water Department, while Marion Meyer is on maternity leave, will be Rusty Alvarez (550-4920).

OLD BUSINESS

Caltrans Projects Mr. Franklin reported that the 280 / 101 access switch has been completed and the ramp demolition has begun. If there are further questions, please call Mr. Manning.

Mr. Drablos will be on vacation; while he is away, please call Mr. Franklin at (510) 286-4424. Mr. Drablos's office will move soon, to the site on San Bruno Ave. near the Alemany Circle. The new telephone number will be announced when they have one.

Stick Map Ms. Poulo reported that Project Development and BI met on June 3 to discuss formats, correction procedures, etc. for the new contract modification. We will be doing the next run when the new plotter arrives. A new overlay entitled "All Agencies Conflict Report" will be created to replace the "Moratorium Conflict Report". The new overlay will show any two flaggings rather than being pavement-driven. The contract modification also covers adding AutoCad ADE for data to graphics linkage, staff training, and an extra run for training practice. BI will attend the next meeting for discussion and feedback. We will need the Utilities' updates so we can produce the next run on time. Handling of information from non-subscribers (Pac Bell, Viacom, AWSS) is still to be resolved. There will also be an overlay for Caltrans streets, once we have a final version of the list, to facilitate determining responsibilities and the need for permits.

[Note: The next run was postponed to July 13 because of an order backlog for the plotter. Therefore, BI will be at the August 9th meeting, rather than on July 12.]

Caltrans Street List Mr. Drablos is checking Ms. Poulo's list. We will finalize it before sending it to the Real Estate Departmant for review.

Utility Support and Work Around Agreement Minutes of the June 2 meeting are attached. Mr. Wong noted that a representative from CULCOP should attend these meetings and report back.

Utility Liaison Mr. Wong observed that the current list does not show Muni, Water Department, or UEB projects. Ms. Poulo responded that we now have a list for Muni, and called attention to the information about deadlines for updates on the Status Report cover sheet. Mr. Wong noted that we should send the letter requesting information, as suggested by Ms. Meyer. Mr. Franklin said we should have Caltrans projects included on the summary sheet.

Curb Ramps Mr. Fong reported that we do not yet have a response from the City Attorney about the path-of-travel question. He distributed copies of the new draft Curb Ramp diagram, reflecting mandated changes to wing slopes (see the new dimension matrix) and reduction of standard options to two configurations. Please review and comment. Note that some issues are not yet resolved, such as whether to continue requiring the lip at the bottom. Ms. Chono added that the Philadelphia case does not affect the separate requirement for ramps where there is work in the curb returns.

We have received new Federal grants for around 900 Curb Ramps, to be done through City contracts, including the Utility Liaison process. This work has not been specifically coordinated with paving projects. Mr. Jindal and Mr. Franklin noted that Caltrans has a statewide Curb Ramp project due for bidding next year, for new locations only. Upgrade work will come later. Mr. Childs asked that sufficient notice be given for relocation work, which involves lead time for the utility.

New Pavement Candidates List Ms. Poulo asked that each utility provide alternat contact people for emergencies when the usual person is unavailable. Mr. Childs said the alternates for Pac Bell are Dave Assadurian (542-9695) and Leo Ladner (542-9095).

Sunshine Ordinance We will discuss the required bylaws next month.

NEW BUSINESS

Traffic Permits Mr. Jindal noted that since the Police Department no longer enforces street construction permit requirements, there have been problems with peak hour work. Note that DPT *DOES NOT* give telephone approval for such work. Utilities should educate field crews about the rules. BSM will give briefings and training sessions on request.

The next meeting will be at 10:00 am July 12, 1994, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission Street.

/SF /DEPT OF PUBLIC WORKS

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

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Meeting No. 353

Tuesday, July 12, 1994
10:00 AM

Fourth Floor Conference Room
Bureau of Engineering
1680 Mission Street
San Francisco, CA 94103

AGENDA:

I. Minutes of June 14, 1994 Meeting

Caltrans Projects
Stick Map
Caltrans Streets
Utility Support, Work Around and Protect Agreement
Utility Liaison Process
Curb Ramps
New Pavement Candidates List
Sunshine Ordinance
Traffic Permits

II. New Agenda Item:

Pedestrian Barriers in construction sites

SF Dept. of Public Works

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION

AND OTHER PROJECTS

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COMMITTEE MEETING NO. 353
July 12, 1994
BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR

MINUTES

Old Business:	I - 1
Caltrans Projects Stick Map Caltrans Street List Utility Support, Work Around and Protect Agreement Utility Liaison Process Sunshine Ordinance Traffic Permits	
New Business:	I - 2
Utility Castings AWSS Cistern Locations MUNI Projects Construction Site Path of Travel	

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 353
July 12, 1994

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Tom Farnham	554-8362
Marivic Huff	554-8340
Arthur Lee	554-8252
Robert Mason	554-8270
Dave Moore	431-9430
Joe Norris	554-8274
Maria Poulo	554-8275
Dimitri Stavrakis	554-8271

Bureau of Street Use Management

Cynthia Chono	554-6196

Department of Parking & Traffic

Traffic Engineering

Scott Broady	554-2326

Caltrans

Don Manning	557-1261

Metropolitan Fiber Systems

William E. Snead	362-3300

Pacific Bell

George Childs	(510)943-4422

Pacific Gas & Electric Co.

Chris Baker	695-3626
Rocco Colicchia	695-3513
Ryan Goldman`	695-3626

PTC

Capital Projects

Larry Fitzgerald	554-3191

MUNI

Transit Engineering

Mike Almasi	554-3238
Henry Kim	554-3203
Ted Symons	554-3244

San Francisco Water Department

Rusty Alvarez	550-4920
Wilfredo Villasica	550-4920

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 353
July 12, 1994

The June 14, 1994 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Mr. Manning reported no new developments since last month.

Stick Map Ms. Poulo reported that we now expect the plotting equipment to come in any day now, and will run the reports as soon as we have it working.

Caltrans Street List Mr. Drablos is still checking the list Ms. Poulo provided.

Utility Support and Work Around Agreement The meeting held on July 7, focused on the Utility Liaison process, because timely notification is a key aspect of the Support and Work Around process.

Utility Liaison The "Projects in Progress" Report in Section IV of this month's Minutes package shows all projects known to us with missing Utility information indicated. This month's package also includes a report of all planned Muni projects. We are still trying to obtain the Water Department's main replacement project information. Ms. Poulo asked that each utility provide alternate contact people for emergencies when the usual person is unavailable.

Sunshine Ordinance We will distribute a draft of the required bylaws for discussion next month.

Traffic Permits Ms. Chono reported that several meetings have been held to arrange for proper enforcement of regulations for lane closures, peak hour work, and the like.

NEW BUSINESS

Utility Castings The problems discussed in past meetings, with the raising of utility castings after paving, continue. Recently a PG&E manhole cover, which had been paved over some time previously, was struck by a saw-cut. Our quarterly report on completed paving projects could serve as a checklist for the utilities to follow up with raising their castings. We might be able to arrange for paving contractors to raise castings in a manner similar to the Support and Work Around agreement. Having a Utility representative on-site to inspect this work would be much cheaper than their sending a separate crew later, and would help to prevent work sites being overlooked.

Committee for Utility Liaison on Construction and Other Projects

AWSS Cistern Locations Mr. Moore noted that USA markings had been observed near the new AWSS cistern at 30th Ave. and Geary. The brick outline in the pavement is intended to identify the cistern location quickly in emergencies, and must be restored in kind if work on other facilities disturbs it.

Muni Projects

N Line Tracks Mr. Kim discussed a forthcoming project to improve the track alignments in the turning curves at Carl and Cole, and at 9th Avenue and Irving, which are showing excessive wear. Since the work will not extend deeper than the present track installation and involves very minor changes in horizontal alignment, there should be little or no impact on utilities. Work is expected to begin in October, 1994. Muni contemplates resurfacing only within the right-of-way. DPW's Streets and Highways and the Pavement Management System recommends paving the street at 9th Ave., between Irving and Judah, and at Carl, from Cole to Arguello. The Muni Project Manager is Kathleen Cronin, 554-3202.

Disability Access Mr. Almasi presented conceptual plans for raised platforms for 14 Muni Metro street locations, to comply with a Federal mandate. Most involve lane closures, sidewalk bulbs, and eliminate parking spaces, which could be problematic since the locations are selected to provide access to commercial areas that are typically already congested and have inadequate parking. Detailed plans will begin after preliminary approval, expected in September this year. Conflicts will be addressed through the Utility Liaison process and at CULCOP.

Construction Site Path of Travel Mr. Farnham distributed copies of a draft "Path of Travel" policy, intended for inclusion with contract specifications. (see Attachment 1) Besides allowing a clear path for persons with wheel chairs, the path of travel must have barriers or other devices that can guide persons using mobility canes. The proposed standards are intended to be both affordable and functionally adequate. Enforcement would be through the BCM inspector. Questions and comments should be addressed to Mr. Farnham or Mr. Skaff before next month's meeting.

The next meeting will be at 10:00 am August 9, 1994, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission Street.

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

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COMMITTEE MEETING NO. 354
August 9, 1994
BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR

MINUTES

Old Business:	I - 1

- Caltrans Projects
- Stick Map
- Caltrans Street List
- Utility Support, Work Around and Protect Agreement
- Utility Liaison Process
- Sunshine Ordinance
- Utility Castings
- MUNI Projects
- Construction Site Path of Travel

New Business:	I - 2

- Convention
- United Nations 50th Anniversary

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Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 354
August 9, 1994

The July 12, 1994 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Mr. Drablos is now at 110 Rickard St., SF CA 94134; his telephone number is 330-6537. The impact of the current funding crisis reported in the media is not yet clear. No announcement has been made regarding which projects are affected or in what way.

Stick Map Ms. Poulo reported that we received the new plotter last week and are now installing the system. We hope to plot the reports by next week with the current updates.

Caltrans Street List Mr. Drablos is field checking the list. In connection with the list of City streets accepted for public maintenance now being compiled by Project Development Section, we need to flag the Caltrans streets according to which agencies own, maintain, or issue permits (and to whom) for each street segment. Different streets have different combinations of such factors according to their nature and to the specific agreements that cover them. We should hold separate working meetings of all affected agencies to discuss this by cases. Mr. Franklin will invite a Caltrans representative to attend the October meeting and to discuss the policies for encroachment permits in streets under Caltrans jurisdiction.

Utility Support and Work Around Agreement Ms. Wong reported that this month's meeting of the committee discussed construction phase information flow, the USA marking process, and inspections. Meetings are held the first Thursday of the month at 1550 Evans St. Larry Wong will be issuing minutes. Ms. Chono asked if that discussion exceeded the purpose of the committee. It was noted in response that the purpose of the committee is to address concerns about the Agreement process having proved inadequate, and that addressing those concerns should include examining their working context. We will ask Larry Wong to attend and discuss the committee's progress.

Utility Liaison We are still trying to obtain Water Department information. Nelson Wong noted that DPW might need to communicate with higher SFWD management to resolve this.

Sunshine Ordinance A draft of the required bylaws was distributed and is included in these Minutes for discussion next month.

Committee for Utility Liaison on Construction and Other Projects

Utility Castings Ms. Chono has met with PG&E. They arrived at a tentative agreement in which PG&E will respond to the quarterly report of newly paved streets by submitting a package of the castings affected, and then notifying BSM by telephone as they progress through the list. Perhaps Pac Bell could consider following suit.

Muni Projects

N Line Tracks DPW will ask Muni to include curb-to-curb paving in certain portions of the track realignment project area. This would be handled as a normal paving job for utility clearance.

Disability Access Muni presented their preliminary intentions to the Planning Commission last week. We will need Muni to keep us informed as the project develops and allow utility input before and during actual design, rather than after.

Construction Site Path of Travel Member comments are needed on the several issues arising. DPW will conduct in-house meetings to sort out the Department's position.

NEW BUSINESS

Convention The decennial convention of the association of agencies that books conventions will be next month at Moscone Center. Members are asked to keep paths of travel to and from Moscone Center clear during this convention.

United Nations 50th Anniversary The celebrations for the fiftieth anniversary of the signing of the UN Charter will be held at Civic Center, the site of the original signing, on June 20-26, 1995. This will involve attendance by dignitaries and heads of state, and features events requiring large scale planning. Construction and maintenance work in the area will need to be scheduled accordingly. We will arrange presentations as this develops.

The next meeting will be at 10:00 am September 13, 1994, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission Street.

DRAFT 8-9-94

CULCOP Bylaws

1. Purpose

1.1. Article VII of the San Francisco Administrative Code, Sections 5.60, 5.61, and 5.62, establishes the Street Utilities Coordinating Committee, chaired by the Director of Public Works and composed of his counterparts in other public and utility agencies, to be "charged with the responsibility of formulating policy as it affects the use of public streets by public and private utilities, such as overall traffic regulations during utility construction or maintenance, utility advance planning, and other means to insure minimum disruption and inconvenience to the general public using the surface of the streets; utility joint trenches; utility tunnels; and condition of trench repairs." Section 5.63 (a) establishes the Committee for Utility Liaiason on Construction and Other Projects (CULCOP) as a subcommittee of the Street Utilities Coordinating Committee. "This subcommittee shall consist of staff level personnel from the Bureau of Engineering of the Department of Public Works; San Francisco Water Department; Hetch Hetchy Water and Power System; Municipal Railway; San Francisco Fire Department; San Francisco Department of Electricity; San Francisco Redevelopment Agency; Pacific Gas and Electric Company, Gas Division; Pacific Gas and Electric Company, Electric Division; Pacific Telephone Company; Western Union; and the Television Signal Corporation. The chair shall be a representative of the Bureau of Engineering as designated by the City Engineer. Meetings shall be monthly at a time and place designated by the chair. The duties of this subcommittee will be to work out scheduling of utility work that is connected with

Department of Public Works projects and to plan the utilities undergrounding construction program. ...(Added by Ord. 273-74, App. 6/6/74)"

1.2. In current practice, CULCOP has elaborated its activities under that mandate to include:

- Disseminating current information about legislative requirements affecting utility construction and maintenance, including training in methods of compliance as appropriate by the regulatory agencies.
- Resolution of conflicts in scheduling and location of utility projects.
- Schedule coordination to avoid conflicts and public disruption.
- Technology transfer regarding construction methods and materials.
- Maintaining a current directory of contact persons in the various agencies, and encouraging its constructive use.

2. Authority to convene

2.1. As formulated, the operating authority for CULCOP resides with the City Engineer through his designated representative.

2.2. In current practice, the designated representative is the Manager of the Civil Engineering Division, who chairs the monthly meeting either in person or through a representative from the Project Development Section.

3. Membership

3.1. As formulated, the members listed in the Administrative Code were the public and utility agencies then active in, or concerned with, facility construction or maintenance in the streets.

3.2. As evolved, current membership is defined as any agency with a facilities maintenance or construction program, or with regulatory jurisdiction, in the streets. Membership may be routine, as for agencies with an ongoing presence such as PG&E, Pac Bell, the Bureau of Street Use Management, or Caltrans; or ad-hoc, as for the developer of a major construction site.

4. Meetings - time and place

4.1. Routine meetings are currently at 10:00 a. m. on the second Tuesday of each month, in the fourth floor conference room of the Bureau of Engineering offices at 1680 Mission Street.

4.2. Ad Hoc meetings may also be called at the discretion of the chair.

5. Format and procedure

5.1. An Agenda must be published in advance of the meeting, in conformance with the Sunshine Ordinance.

5.1.1. Content of the Agenda will include such matters as progress updates on continuing projects; conflict resolution as the need arises; presentations regarding materials, methods, code requirements, forthcoming projects, and the like; and discussions of methods and devices the Committee can use to enhance its own effectiveness.

5.1.2. Timing of publication must be not less than ten days before the meeting at which the matter is to be discussed, except in emergencies as defined by the Sunshine Ordinance.

5.2. Discussion will focus on exchanging information and on routine implementation of established policies.

5.2.1. The Minutes will consist of a full and factual report of the discussion, in keeping with the informational purpose of the Committee and with the Sunshine Ordinance.

5.2.2. Preparation and distribution, by Project Development Section, of the Minutes package will be to the active members, to the repository specified in the Sunshine Ordinance, and to any other parties who inform Project Development Section of a reasonable need to receive it.

5.2.3. In addition to the Meeting Minutes, Project Development Section will prepare and distribute a monthly tabular Status Report of the Bureau of Engineering's pavement management and construction projects, together with the utility agencies'

information about their project plans, if any, in each of the blocks listed. In addition, a graphic presentation of all street related projects of which Project Development Section has been informed (the "Stick Map") will be issued on a subscription basis to agencies that agree to share in the cost of its production.

5.3. Policies affecting facilities maintenance or construction in the streets are not determined by CULCOP. The Committee may, however, explore the factors affecting such policies, for the information of those in each agency who are responsible for determining policies, or of the parent Street Utilities Coordinating Committee.

SF Dept of Public Works

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Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 356
October 11, 1994

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The September 13, 1994 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Mr. Manning reported no new developments since last month. Mr. Wong noted that Clean Water has a contract going to bid November 1 for the force main project near the I-280 retrofit work area.

Stick Map Ms. Poulo reported that we are now debugging the new system, and will run the reports as soon as we have it working. We have also been meeting with DPT to relate their projects to the paving schedule.

Caltrans Street List Mr. Norris is examining the right-of-way drawings to check the stick map and accepted streets lists. Numerous areas have divisions of Caltrans and City pavement that do not readily lend themselves to the existing data base format.

Utility Support and Work Around Agreement Discussions are proceeding as noted last month. Absent further discussion in this forum, and given the existence of a forum in the other series of meetings, we will drop this item from the CULCOP agenda.

Utility Liaison We now have the Water Department's schedule for main replacement projects. Mr. Wong reviewed the various reports in this section of the Minutes package.

Sunshine Ordinance We are finalizing the content and format for publication and filing per Ordinance next month. Except for one comment from Pac*ific* Bell, all responses have been from within BOE.

Castings The current method is to give Mr. Ovadia a list of castings at the time BOE issues the Notice of Intent. BSSR does not raise castings; the quarterly report of newly paved streets can serve the utilities as notification of relevant locations.

Muni Projects

M and N Line Tracks Paving issues have now been resolved. We will drop this item from the agenda.

Disability Access Mr. Fitzgerald presented an update on conceptual plans for raised platforms for the Muni Metro street locations. Muni is working within a variety of mandated parameters such as the LRV platform height, ramp widths and slopes, and proportion of the total number of stops that must be accessible. They are also revising the existing distribution of the normal curb height islands, in view of experience with injury

accidents where there was no island. The size and other parmeters dictate the physical size of the platforms which in turn dictates impacts on parking, sidewalk width, and traffic flow. The project includes curb ramp installations and upgrades, which Muni has discussed with Mr. Fong. Utilities will receive paper copies of the plans within the month; ACAD disk copies are available now, per Mr. Almasi.

Construction Site Path of Travel Mr. Skaff presented a slide display and discussion, regarding the current version of the guidelines now on its way for the Director's review. Mr. Skaff also distributed copies of a discussion in the *Federal Register* that notes San Francisco's lead in this field. Our guidelines will be a strong influence in the writing of the Federal regulations for ADA compliance. The purpose of the guidelines is to point out issues that need to be addressed for safe movement of visually impaired and other persons in areas affected by construction sites, but does not intend to dictate specific ways to resolve them. Mr. Skaff would appreciate responses conveying the practical realities of the matter from field people by October 30.

Enforcement of the guidelines will be by the Sidewalk Inspectors, after they have been trained. Mr. Hoo noted that issuance of these accessibility guidelines does not in any way modify the City's requirements regarding permits and standards; this should be notd in the accessibility guidelines themselves.

Controlled Density Fill Mr. Wong noted that at a recent APWA conference he had seen demonstrations of a device for measuring the water/cement ratio, which would be useful for quality control. We are negotiating with the manufacturer to serve as beta testers with donated equipment.

NEW BUSINESS

BSUM Reorganization Mr. Hoo announced reorganization of the Utility Inspection Section, introducing regional responsibilities for active projects only. Mr. Hoo will retain City-wide coverage of work less than 500 square feet. Mr. Zeller noted that the Inspectors' territory map should show the Port jurisdiction boundaries.

Muni Operators' Restrooms Mr. Ko presented the 95% plans for nine sites. Design should be complete at the end of November with advertising in early 1995. Construction, at the Ocean Beach location, should begin next spring. There was some discussion of whether, and to whose attention, the utilities had received notification. Mr. Hoo asked if other City field personnel, such as DPW Inspectors, could use the facilities; Mr. Wong suggested Ms. Brady address this with Muni management.

The next meeting will be at 10:00 am November 8, 1994, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission Street.

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 357

November 8, 1994

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ATTENDANCE:

Department of Public Works

Bureau of Engineering

Marivic Huff	554-8340
Joe Norris	554-8274
Joe Ovadia	554-8250
James Walsh	554-8272
Nelson Wong	554-8281

Bureau of Street Use Management

Cynthia Chono	554-6196

Department of Parking & Traffic

Traffic Engineering

Peter Woo	554-2320

San Francisco Water Department

City Distribution Division

Marion Meyer	550-4920

Caltrans

Dean Drablos	330-6537
Don Manning	557-1261

Pacific Bell

George Childs	(510)943-4422

Pacific Gas & Electric Co.

Mark Aloiau	695-3550

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 357
November 8, 1994

The October 11, 1994 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Mr. Manning will retire at the end of this month. His replacement at the meetings will be Karen Ashe (557-7925). Mr Manning distributed a summary of current and forthcoming projects. Work continues on the 101/280 interchange and on 280 from Jerrold to Evans. The section over Selby from Revere to Jerrold is nearing completion. Bids were opened on October 25 for the alemany interchange. Bids will be opened for 280 from 23rd St to Brannan (11/15); Junipero Serra to Mission (11/29); Lamartine St Ped O/P demolition (11/30); 25th to 23rd St (12/06). Plans and specs are under development for Rte 80 from Division St to the Bay Bridge; Rte 101 from 17th St to Otis St; Rtes 280 and 101 from Mission St to the Army St Circle; Rte 280 from Evans Ave to 25th St; King St touchdown ramps and demolition of China Basin viaduct. For further information, please call the Resident Engineers at either 8th St (557-7925) or Brannan St (557-4021).

There will be major utility impacts on the Central Freeway retrofit. The original footings were tailored to fit around existing utility installations but must now be enlarged.

The Lamartine St Pedestrian Overpass demolition will probably stimulate strong public interest and require hearings.

Senator Kopp will probably call for public response and comment on the proposed closure of the Silver Ave. ramps. Mr. Woo noted that DPT would like clarification as well, especially about the possible substitution of ramps from the Alemany Circle.

Stick Map Mr Norris distributed copies of the tabular and plotted reports. We have experienced all the difficulties to be expected from the combined initiations of our network, the new Stick Map software, the new plotter and its drivers, and continued scrubbing of the data base. Subscribers are asked to help us by checking carefully for any remaining errors.

Caltrans Street List The project is proving to be even less straightforward than we expected. For example, as Ms. Chono noted, we need to include the various methods of handling sidewalk work at different locations.

Sunshine Ordinance On hold pending review and finalization.

Construction Site Path of Travel Mr. Skaff has received no responses and is proceeding as discussed last month.

Controlled Density Fill The manufacturer will lend us a device for testing the water/cement ratio to track quality control.

Muni Operators' Restrooms Mr. Woo noted that the design should avoid doors opening outwards where pedestrian travel is possible.

NEW BUSINESS

Hold Harmless Clause Ms. Chono distributed copies of the letter sent to permit applicants and the "Revised Application/Permit for Utility Excavation" form which contains a new text for the Hold Harmless Clause. BSUM just received them from the City Attorney's office with instructions that any modifications or omissions would void the permit. Questions or comments should go to the City Attorney's office or to the DPW Director.

Randy Yuen is on a temporary assignment for six months. Replacing him as PG&E representative will be Mark Aloiau.

Mr. Drablos requested members interested in a presentation by Caltrans about their permit process and requirements to send or telephone questions to him (330-6537) or Mr. Franklin (510- 286-4424) so they can focus their duscussion on our needs.

The next meeting will be at 10:00 am December 13, 1994, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission Street.

CULCOP - Minutes of Meeting No. 357

ATTACHMENT 1

Revised Application/Permit for Utility Excavation

City and County of San Francisco

Department of Public Works
Bureau of Street-Use and Mapping

November 7, 1994

Revised Application/Permit
for Utility Excavation

Dear Applicant:

The Department of Public Works has revised the "Hold Harmless" clause for all of our permits. Effective November 21, 1994 the Bureau of Street-Use and Mapping will require all "Applications/Permits for Utility Excavation" to contain this revised "Hold Harmless" clause. Applications/Permits without this clause will not be accepted. Any changes, deletions or other modifications to the language of this clause will be cause for the permit to be returned.

Attached for your convenience is a copy of the New Revised "Application/Permit for Utility Excavation". You may duplicate this copy as needed.

If you have any questions or which to discuss this matter further, please feel free to call me at 554-5800.

Very truly yours,

Denise M. Brady

Denise M. Brady, Chief
Bureau of Street-Use and Mapping

Attachment: As Noted. Revised Application/Permit for Utility Excavation

ccpg&e.doc

415) 554-5810 / FAX (415) 554-6161 **ROOM 350, CITY HALL** **SAN FRANCISCO, CA 94102**

City and County of San Francisco

Department of Public Works
Bureau of Street-Use and Mapping

APPLICATION / PERMIT FOR UTILITY EXCAVATION

Permit No.: __________
Date: __________
USA No.: __________

COMPANY
NAME : __________

ADDRESS: __________

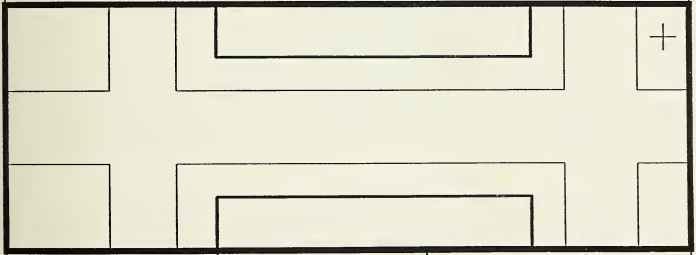
We hereby petition the Department of Public Works for permission to excavate the following named street(s) in compliance with the rules and regulations as set forth in Article 8 of the Department of Public Works Code, for the purpose of:

The permittee by acceptance of this permit also agrees to the conditions as stated on the reverse side of this permit.

No. of Permits (Blocks): ____ x $50 = ____
Total Sq. Ft. of Trench: ____ x $0.80 = ____
Total Cost of Permit: $ ____

By (Rep. Name): __________
Phone: __________
Construction- Begin: ____ End: ____

JOB LOCATION: __________



☐ Main
☐ New Construction
☐ Leak Repair
☐ Service
☐ Reconstruction
☐ Duct Repair
☐ Other

Moratorium Street Yes ☐
Rockwheel Use Yes ☐
Resurfacing Date : __________
CCSF Job # : __________

Yes
☐ Sidewalk Work Only
☐ AWSS
☐ FAU Street
☐ Traffic Var./Restriction
☐ Sawcut & Tee Patch Req.
☐ Night Noise Permit Req.

CCSF USE ONLY

15) 554-5810 / FAX (415) 554-6161 **ROOM 350, CITY HALL** **SAN FRANCISCO, CA 94102**

HOLD HARMLESS CLAUSE

In consideration of this Permit being issued for the work described in the application, Permittee on its behalf and that of any successor or assign, and on behalf of any lessee, promises and agrees to perform all the terms of this Permit and to comply with all applicable laws, ordinances and regulations.

Permittee agrees on its behalf and that of any successor or assign to hold harmless, defend, and indemnify the City and County of San Francisco, including, without limitation, each of its commissions, departments, officers, agents and employees (hereinafter collectively referred to as the "City") from and against any and all losses, liabilities, expenses, claims, demands, injuries, damages, fines, penalties, costs or judgments including, without limitation, attorneys' fees and costs (collectively, "claims") of any kind allegedly arising directly or indirectly from (i) any act by, omission by, or negligence of, Permittee or its subcontractors, or the officers, agents, or employees of either, while engaged in the performance of the work authorized by this Permit, or while in or about the property subject to this Permit for any reason connected in any way whatsoever with the performance of the work authorized by this Permit, or allegedly resulting directly or indirectly from the maintenance or installation of any equipment, facilities or structures authorized under this Permit, (ii) any accident or injury to any contractor or subcontractor, or any officer, agent, or employee of either of them, while engaged in the performance of the work authorized by this Permit, or while in or about the property, for any reason connected with the performance of the work authorized by this Permit, or arising from liens or claims for services rendered or labor or materials furnished in or for the performance of the work authorized by this Permit, (iii) injuries or damages to real or personal property, good will, and persons in, upon or in any way allegedly connected with the work authorized by this Permit from any cause or claims arising at any time, and (iv) any release or discharge, or threatened release or discharge, of any hazardous material caused or allowed by Permittee in, under, on or about the property subject to this Permit or into the environment. As used herein, "hazardous material" means any substance, waste or material which, because of its quantity, concentration of physical or chemical characteristics is deemed by any federal, state, or local governmental authority to pose a present or potential hazard to human health or safety or to the environment.

Permittee must hold harmless, indemnify and defend the City regardless of the alleged negligence of the City or any other party, except only for claims resulting directly from the sole negligence or willful misconduct of the City. Permittee specifically acknowledges and agrees that it has an immediate and independent obligation to defend the City from any claim which actually or potentially falls within this indemnity provision, even if the allegations are or may be groundless, false or fraudulent, which obligation arises at the time such claim is tendered to Permittee by the City and continues at all times thereafter. Permittee agrees that the indemnification obligations assumed under this Permit shall survive expiration of the Permit or completion of work.

Permittee shall obtain and maintain through the terms of this Permit general liability, automobile liability or workers' compensation insurance as the City deems necessary to protect the City against claims for damages for personal injury, accidental death and property damage allegedly arising from any work done under this Permit. Such insurance shall in no way limit Permitee's indemnity hereunder. Certificates of insurance, in form and with insurers satisfactory to the City, evidencing all coverages above shall be furnished to the City before commencing any operations under this Permit, with complete copies of policies furnished promptly upon City request.

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 358

December 13, 1994

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Marivic Huff	554-8340
Robert Mason	554-8270
Joe Norris	554-8274
Maria Poulo	554-8275
Nelson Wong	554-8281

Bureau of Street and Sewer Repair

Niles McDonald	695-2100

Bureau of Street Use Management

Cynthia Chono	554-6196

Department of Parking & Traffic

Traffic Engineering

Scott Broady	554-2326

San Francisco Water Department

City Distribution Division

Marion Meyer	550-4920

Caltrans

Dean Dzablos	330-6537
Karen Ashe	557-7912

MUNI

Charles Kascal	554-1803

Pacific Bell

George Childs	(510)943-4422
Leo Ladner	542-9095

Pacific Gas & Electric Co.

Mark Aloian	695-3550

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Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 358
December 13, 1994

The November 8, 1994 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Mr. Wong noted City Planning and DPT concerns about the Lamartine Overpass demolition, which would remove pedestrian access to the Glen Park BART Station. Ms. Ashe will look into the results of hearings recently conducted by Caltrans. Mr. Wong also reported strenuous opposition to the permanent closure of the Silver Ave. ramps from local merchants at the Quentin Kopp meetings. Caltrans has sent the results of a traffic study to DPT, reconsidering one southbound off ramp.

Stick Map Ms. Poulo brought the overlays missing form last month's distribution, together with better, foamboard mounted base maps. Ms. Chono asked about distribution on disk. Ms. Poulo replied that we could distribute the graphic map only as a line drawing in ACAD, but it would still require the tabular data base and the linking software to be useful. The tabular data base is already available on disk if a subscriber wants it that way.

Caltrans Streets List Project Development has not had time free to go to the Caltrans Oakland office to examine their original maps. Also, we have encountered problems representing the configuration of certain boundaries in a meaningful way within the existing data base format. We will report back when we have resolved this.

Sunshine Ordinance Bylaws We have not yet arrived at a final version. We will present it when it is ready.

Path of Travel Guidelines Copies of the new policy were distributed. Mr. Wong noted that the policy is presented as guidelines by example, not specifications. We expect the contractor to address the stipulated accessibility requirements in a manner appropriate to the site.

Mr. Ladner (welcome back, Leo!) asked who monitors compliance. There needs to be consistent application of the standards among the various agencies. Mr. McDonald and Mr. Wong replied that the agencies' construction inspectors are responsible for compliance, as part of BSM's permit process and its stipulations. We can set up training sessions as needed. Ms. Chono noted that there is a potential for cross purposes in that different agencies are addressing different kinds of problems. so that the training and administration need to focus on the accessibility needs of the public first, then on the means for meeting those needs. There is a niche market waiting for development in the area of devices and materials to use in compliance, such as portable ramps.

Controlled Density Fill Ms. Chono has sent the manufacturer copies of our specs for comment. She would like to hear from the maintenance people about their experiences with this material. The construction advantages are obvious, but the quality control, especially for small applications, is a problem. Also, there is some question whether a cement/water ratio device can measure accurately for such low amounts of cement.

Hold Harmless Clause Mr. Childs reported that Pacific Bell has responded strongly. Ms. Chono noted that the new language has raised further questions about agencies with and without City utility franchises. She appreciates everyone's working cooperation while the policy making levels of management resolve their issues.

NEW BUSINESS

Holiday Moratorium Ms. Ashe asked about the areas affected by the moratorium. Ms. Chono explained the rule that any block with 50% or more retail business property at which the general public is likely to shop is affected. Questions and variance requests should be directed to Peter Woo, Roop Jindal, or Joern Kroll at DPT - Traffic Engineering, 554-2300.

We wish you all a happy and safe Holiday!

The next meeting will be at 10:00 a.m., Tuesday, January 10, 1995, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission St.

CULCOP - Minutes of Meeting No. 358

ATTACHMENT 1

Construction Site Path of Travel

Department of Public Works
SF

SEAL OF THE CITY AND COUNTY OF SAN FRANCISCO

Office of The Director
John E. Cribbs
Director

DEPARTMENT OF PUBLIC WORKS
GUIDELINES
For the Placement of Barricades at Construction Sites
ORDER NO. 167, 840

GUIDELINES

It is the policy of the Department of Public Works that a safe and accessible path-of-travel be provided for all pedestrians, including those with disabilities, around and/or through construction sites.

When erecting barricades, the Contractor shall be conscious of the special needs of pedestrians with physical disabilities. Discretion is given to the contractor to provide protection for pedestrians consistent with all local, state, and federal codes, including the Americans with Disabilities Act and the California Building Code, Title 24.

It is recognized that there are various types of construction activities, including both short-term and long-term projects. Some barricading systems are more appropriate for certain types of construction than others.

The following barricading systems described in the attached document are examples of systems which can be used to provide a safe and accessible path-of-travel around and through a construction site. They are not intended to be all-inclusive. Any barricading system meeting accessibility standards may be considered.

Approved:

John E. Cribbs, Director of Public Works

Nov. 17, 1994
Date

RS :TF:rnb
[illegible] updated 11/08/94

(415) 554-6920 Fax (415) 554-6944 Room 260, City Hall San Francisco 94102-4606

Department of Public Works

Office of The Director
John E. Cribbs
Director

BARRICADING METHODS AND MATERIALS

A-FRAMES
- When using A-frames for defining a path-of-travel, not barricading trenches from vehicular travel, A-frames shall be placed end to end (no spacing between barricade allowed). This will help a person who is blind negotiate a safe path-of-travel. Openings between A-frames will give confusing signals to a person who is blind and using a "long cane", "walking cane" or "white cane". If using A-frames, all must be connected in a way to ensure that individual A-frames do not move out of place or separate. As an example of an acceptable connection, A-frames may be connected by 2 x 4's that are attached to the base of the barricade system.

BARRIER CAUTION TAPE
- Caution tape does not provide an adequate barricade and cannot be used to delineate path-of-travel (but can be used in other areas to highlight danger. **It can be used in conjunction with barricades such as A-frames**).

FENCING MATERIAL
- When using fencing material (i.e., chain link, plastic, etc.) the bottom 3 inches minimum should be solid. This base will act as a guide to blind pedestrians using canes. Walking canes used by blind pedestrians could get caught in fencing. A safe design can be achieved by attaching a solid material (i.e., wood, header bender board, sheet metal, solid rod or rail, etc.) to the bottom portion of the fence. Chosen material should have a high visual contrast to the street/sidewalk surface.

CLOSED CROSSWALKS
- If a crosswalk is closed due to construction, then curb ramps leading into that crosswalk should also be appropriately barricaded. Temporary curb ramps must be installed in the direction of the crosswalk to replace barricaded ramps. It should be noted that curb ramps are not used solely by persons in wheelchairs. They are also indicators to persons who are blind that a crosswalk exists and that there is a safe path-of-travel to cross the street. Temporary curb ramps should direct blind pedestrians to and through the temporary path-of-travel.

OPEN CROSSWALKS
- If crosswalks are to remain open during the project then curb ramp areas should be kept free of debris, staging material, equipment, etc.

PATH-OF-TRAVEL
- Any change of level in a path-of-travel which is over ¼" in. (½" maximum) height must be beveled at 45° to provide a smooth, non-tripping transition.

NOTE:
With the unique nature of each project, certain issues may arise which have not been covered in the above guidelines. Each project will have to be reviewed on a case by case basis, to ensure that complete, safe, usable and accessible paths-of-travel are maintained during construction.

RS:TF:rrb
wnword/policy/pathftrv.sep = updated 10/08/94

(415) 554-6920 Fax (415) 554-6944 Room 260, City Hall San Francisco 94102-4606

Department of Public Works

Office of The Director
John E. Cribbs
Director

EXAMPLES OF CORRECT AND INCORRECT BARRICADING METHODS

Photographs A through F depict several examples of correct and incorrect barricading methods.

A. INCORRECT BARRICADING METHOD

- "A-Frame" spacing is too wide
- Caution tape does not provide an adequate barricade or detectable path-of-travel
- Curb cut access has been blocked

B. CORRECT BARRICADING METHOD

- Orange plastic fencing with baseboard provides an easily detectable path-of-travel for persons who are blind/low visioned and using a "long cane", "walking cane" or "white cane". Baseboard will also help eliminate the potential for a person using a "long cane", "walking cane" or "white cane" from getting the cane caught in the fencing mesh.

- Temporary bridging system (wooden decks/steel plates) provides an accessible path-of-travel for persons using a wheelchair. (Note: the cold patch (asphalt) at the ends of the bridge provides a beveled 1:2 lip of no more than ½ inch for a smooth transition).

C. CORRECT BARRICADING METHOD

- Baseboard at perimeter of fence supports provides for a well defined path-of-travel edge for persons who are low visioned/blind and using a "long cane", walking cane" or "white cane". Baseboard also prevents cane from getting caught in fencing mesh. The baseboard is to have a high contrast to the sidewalk/street surface

- K-Rail further defines the path-of-travel and protects pedestrians from vehicular traffic.

- Concrete float (temporary ramp) provides for a smooth transition from street to sidewalk for all pedestrians as well as those persons using a wheelchair. (Note: asphalt or other material that will remain in place and support the weight of a person in a wheelchair is acceptable as temporary ramping material)

D. CORRECT BARRICADING METHOD (Curb ramp leading into a closed crosswalk)

- Entire perimeter of curb ramp is barricaded.
- Galvanized steel pipe railing provides an effective barricade (other materials providing the same level of barrier are acceptable).
- Bottom rail is within 12" - 20" above ground surface (this allows for detection by a person who is blind and using a "long cane", "walking cane" or "white cane").
- Baseboard around perimeter of railing is a minimum 4" above ground surface (this allows for detection by a person who is blind and using a "long cane", "walking cane" or "white cane").

(415) 554-6920 **Fax (415) 554-6944** **Room 260, City Hall** **San Francisco 94102-4606**

E. Incorrect Barricading Method

- This is an open trench/pit, for a new light pole. An opening in the path-of-travel poses a severe hazard to able bodied pedestrians as well as disabled pedestrians.

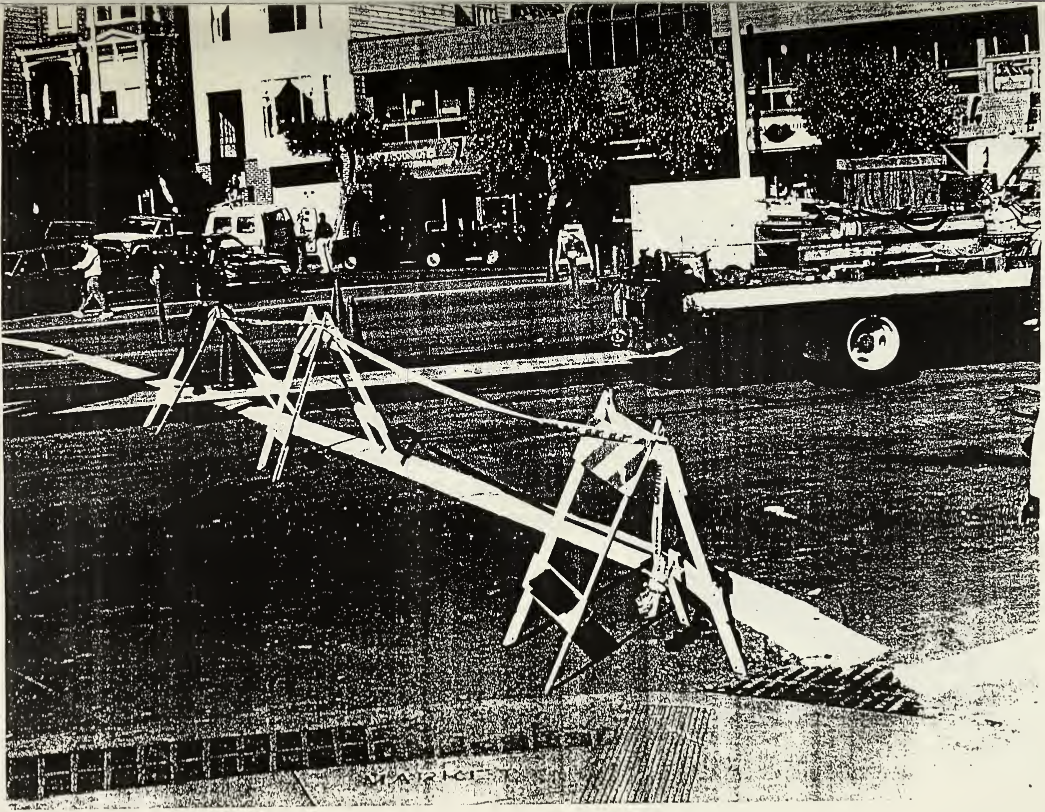
- The perimeter should be completely blocked off with upright barricades and no spacing should exist between the barricades.

F. Incorrect Barricading Method

- Caution tape being used to block off entire sidewalk
- No defined alternative path-of-travel (sending pedestrians into traffic)
- No solid base for detection by a person who is low visioned/blind and using a long or white cane
- No temporary crosswalk was provided for pedestrians using wheelchairs
- Overall this is an unsafe condition for all pedestrians; able bodied as well as persons with disabilities, and especially persons who are low visioned or blind.

RS:TF:rrb

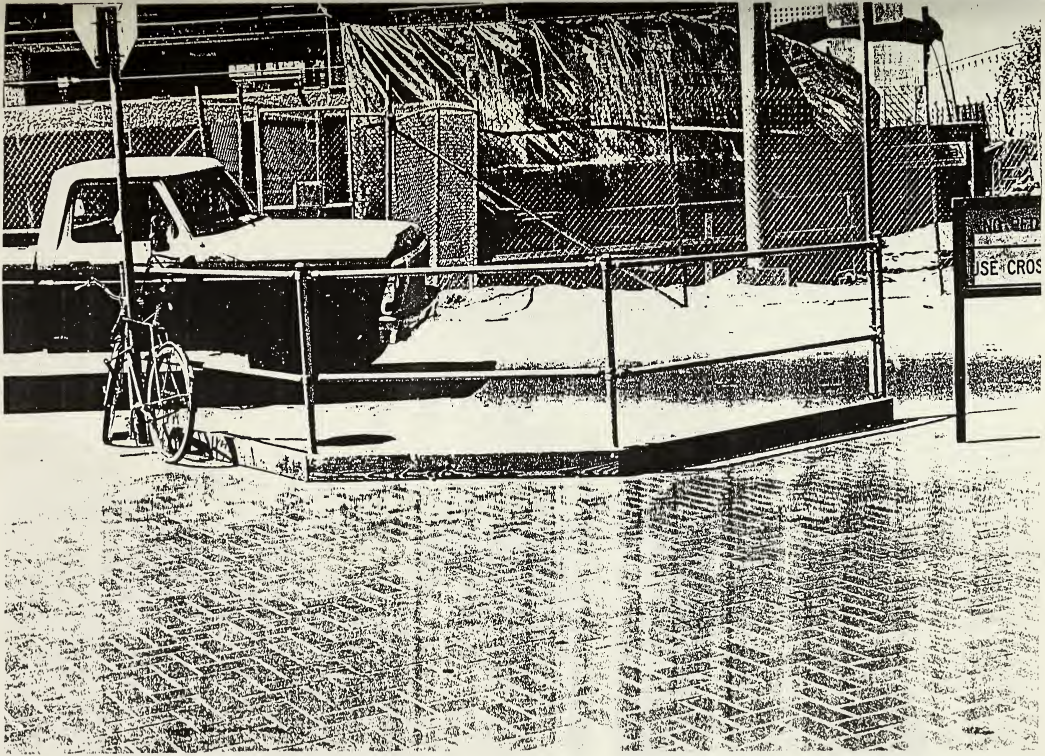
winword/policy/pathftrv.sep = updated 10/08/94



A

B

C.



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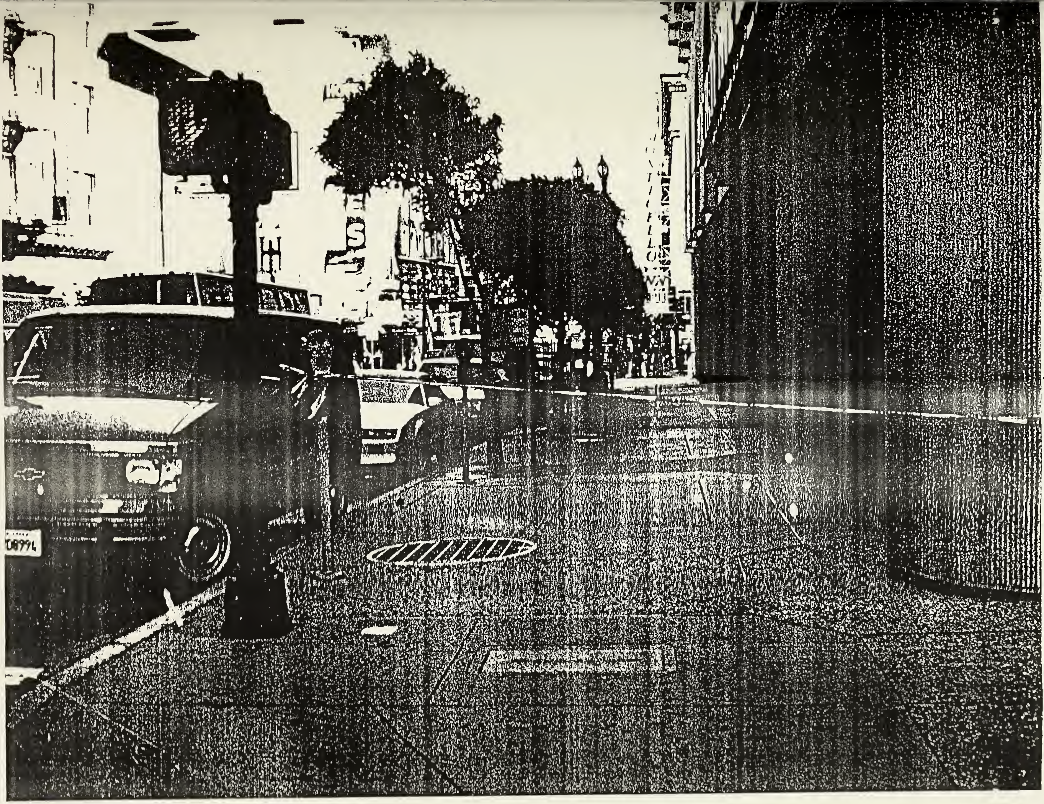

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 359

January 10, 1995

ATTENDANCE:

Department of Public Works	
Bureau of Engineering	
Marivic Huff	554-8340
Robert Mason	554-8270
Maria Poulo	554-8275
Bureau of Street Use Management	
Walter Hoo	554-5863
Department of Parking & Traffic	
Traffic Engineering	
Scott Broady	554-2326
San Francisco Water Department	
City Distribution Division	
Marion Meyer	550-4920

Caltrans	
Dean Drablos	330-6537
Karen Ashe	557-7912
MUNI	
Charles Kascal	554-1803
Wing Gee	554-1885
Pacific Bell	
George Childs	(510)943-4422
Leo Ladner	542-9095
Viacom Cablevision	
Mike Callow	863-8500

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Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 359
January 10, 1995

The December 13, 1994 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Ms. Ashe reported the Lamartine Overpass, which provides pedestrian access to the Glen Park BART Station, will not be replaced. The Caltrans hearings resulted in a decision to demolish the overpass because of the cost of replacement. Demolition, which has not been scheduled, would involve overnight closure of Highway 280, from the Alemany exit to Ocean Avenue.

Preliminary work on the Army St. circle has started. Mr. Ladner said Pacific Bell has started to relocate facilities that are in the area. Excavation is scheduled to start around 2/1/95. All utility work underneath the freeway structure is subject to the Caltrans Permit process. Mr. Broady added that any street lane closures for utility work must be reviewed by the Department of Parking and Traffic (DPT). On some interchanges, no closures are allowed. DPT has provided these guidelines to Caltrans, and any required specifications should be on the permit. Further information about traffic closure reviews can be obtained by contacting Peter Woo, of DPT, at 554-2320. For the Army St. Circle project, please contact Caltrans' Resident Engineer, Mr. Ed Der at 557-7914.

Ms. Ashe also announced the project near the kennels on Iowa and Pennsylvania Sts. will start in about two weeks. General information about Caltrans work can be obtained by calling her at 557-7912.

Stick Map Users have been asking when the new stickmap will be coming out. At the last Users' meeting, Brighter Images discussed their proposal to create a new Base Map and Centerline Stickmap from the City Orthophotos. Their estimated delivery date at the time was February, 1995. Ms. Poulo said in light of the fact that the proposal is still under review and the contract process has not yet begun, the February delivery seems highly unlikely. Any new developments and information will be provided to all concerned as it becomes available.

Caltrans Streets List Project Development is still working on resolving issues and meeting with Caltrans to review their right-of-way maps. Ms. Poulo suggested that a preliminary list of Caltrans streets which have already been verified, be submitted to the various City departments who would need to review them. These include, for example, the Real Estate Department and BSM. Those streets on the Caltrans list which need further clarification would be researched. These include streets that are partially City and Caltrans, and streets called out by Caltrans that no longer exist on City maps because of freeway construction. Mr. Mason has taken this suggestion under advisement.

Sunshine Ordinance Bylaws We have not yet arrived at a final version. It will be presented when it is ready.

Hold Harmless Clause Mr. Childs reported that it is with their Legal Department staff now and that basically, the clause does not apply to them. PG&E was not present at the meeting. No comment from the others in attendance.

NEW BUSINESS

MUNI' s F - Line Mr. Gee presented plans to construct a PCC boarding platform on both sides of Market St. near Drumm and Spear Sts.. This project, a joint contract with DPW Streets and Highways, is in conjuction with the paving and track reconstruction along Market St. and the MUNI turnaround near the Embarcadero. Construction is scheduled for the end of 1995. DPT had objected to the initial design because firetrucks would not be able to go through Market St. because of the proposed platform widths. Alternatives 2, 3, and 4 have been drafted and copies were provided for utilities' review. These have not yet been reviewed by DPT and are only being offered here for comment. Alternative 2 entails cutting back six feet from the sidewalk and splitting the platforms with one closer to Spear and the other, near Main St. Mr. Mason asked if there has been any consideration about sub-sidewalk basements. Mr. Gee stated that they will need to look into this, along with the other issues that arise. Alternative 3 would close Spear St. Mr. Broady said this would probably be unacceptable to DPT because closing the street would force traffic to turn around in a loop. Alternative 4 will also involve cutting back a portion of the sidewalk. Preliminary plans will be sent to the various utilities as soon as a design is selected within a few weeks. Contact Mr. Wing Gee of MUNI, at 554-1885.

Bayshore Blvd. Traffic Control Project Mr. Broady announced DPT's plan to install a traffic signalization system on Bayshore Blvd. between the Northbound 101 off-ramp and the on-ramp near Marin St. The project which includes widening lanes, cutting sidewalks, building a retaining wall, putting in traffic posts, reconfiguring U-turns, and installing various signals, will bring the area to DPT standards. Since all work is within the State right of way, DPT is currently going through the Caltrans process. Ms. Ashe said the Right of Way process takes about 18 months. In the meantime, Notice of Intent and Preliminary Plans were distributed to utility representatives attending this meeting. Notices will also be sent to all utilities listed on the DPW Utility Liaison mailing list.

BSM Move Mr. Hoo announced that BSM will be moving to the SF Furniture Mart building on 875 Stevenson St., on February 10, 1995 while City Hall goes through a much needed and long awaited, seismic retrofit. Telephone and Fax numbers will remain the same. Your patience and kind understanding are requested the week before and after the relocation.

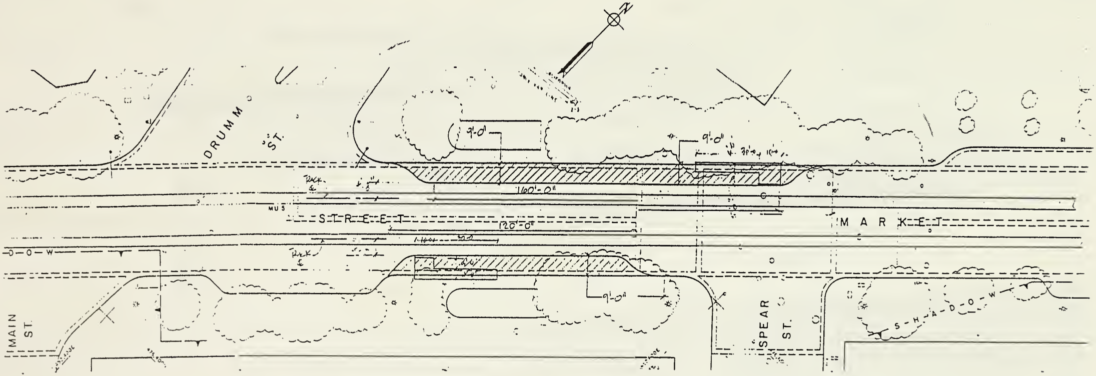
The next meeting will be at 10:00 a.m., Tuesday, February 14, 1995, the second Tuesday of the month, in the fourth floor conference room at 1680 Mission St.

CULCOP - Minutes of Meeting No. 359

ATTACHMENT 1

MUNI "F" Line

Market Street Loading Platform Project


DRUMM ST.
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STREET
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9'-0"
9'-0"
9'-0"
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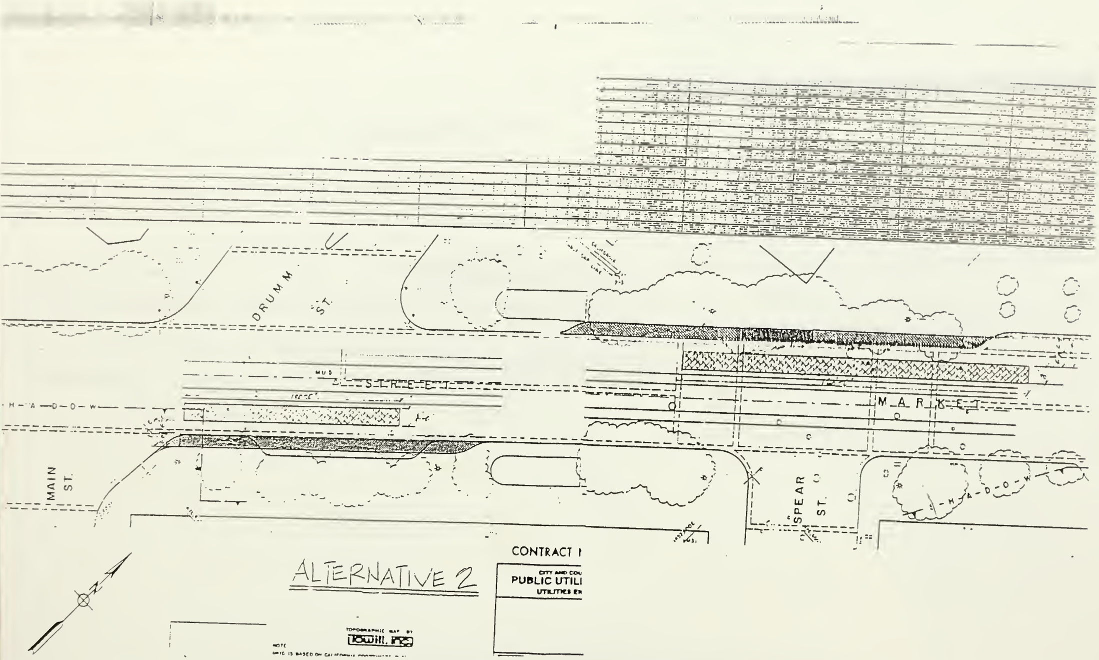
ALTERNATIVE 1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MARKET STREET
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ALTERNATIVE 2
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TOWILL, INC.
NOTE
GRID IS BASED ON CALIFORNIA COORDINATE
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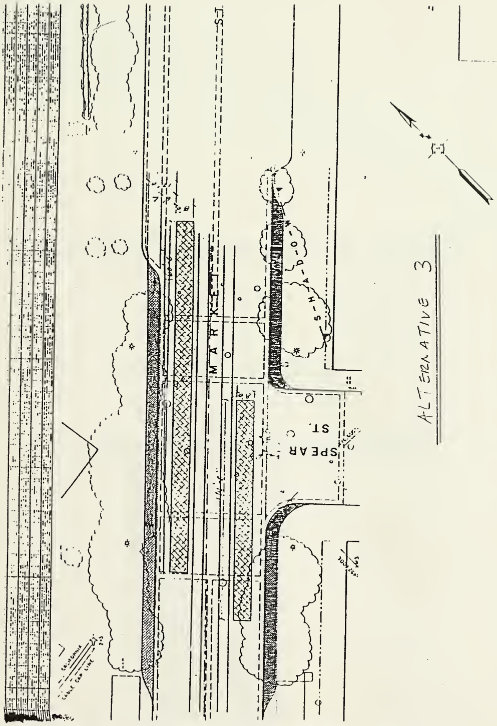
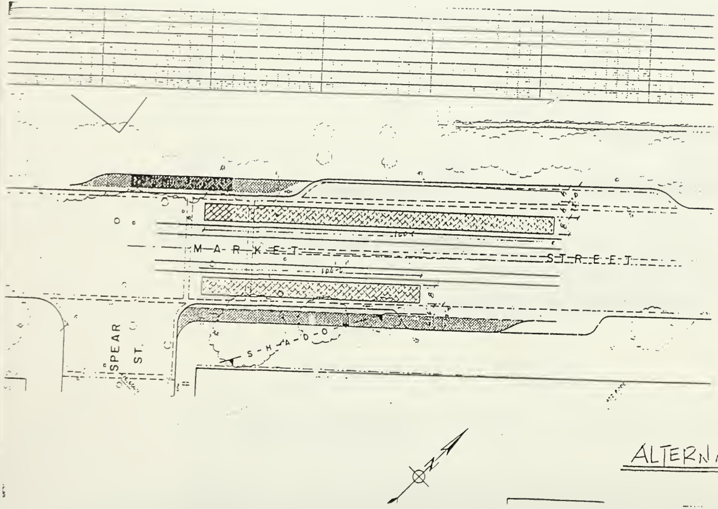

MARKET ST.
SPEAR ST.
S-H-A-D-O-W
CALIFORNIA CABLE CAR LINE

ALTERNATIVE 3


MARKET STREET
SPEAR ST.
SHADOW
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ALTERNATIVE 4

ATTACHMENT 2

Department of Parking & Traffic

Bayshore Blvd.

Traffic Signalization Project

AN FRANCISCO
DPT
PARTMENT OF PARKING & TRAFFIC
raffic Engineering Division
ity and County of San Francisco

ANK M. JORDAN, Mayor
HN E. NEWLIN, Executive Director

January 9, 1995

Bayshore between Oakdale and Marin
Notice of Intent and Request for Information

Dear Culcop Members and other Utilities:

The City of San Francisco, in cooperation with Caltrans, is planning to install traffic signals and make modifications at the intersection of Bayshore Boulevard, the US-101 (Army Street) offramp and Jerrold Avenue.

Per the attached plan (STR 6784) the east sidewalk on Bayshore will be cut to 6 feet wide (from the existing 13 feet wide) from Jerrold to 800 feet south. Curbline modifications will also be made on the west side of the northbound roadway, particularly near the double U-turns south of Jerrold, as well as the islands at the U-turns. The freeway ramp, north of the ramp overcrossing (over the southbound roadway) will also be widened. New sign bridges will be constructed. New traffic signals will be installed per the small plan (attached).

Please outline on the attached plan where your utilities are located, or provide an as built plan showing the location of your facilities, so that we may determine the extent of the utilities that would have to be relocated. For utilities not affiliated with any City Department, please also provide us with the details regarding your lease to maintain the facilities at their present locations. This entire project is to be constructed within City or State Right-of-Way.

We would appreciate receiving this information by February 1, 1995, so that our project may remain on schedule. If you have any questions, please telephone Scott Broady at 415-554-2326.

Very Truly Yours,

Bond M. Yee

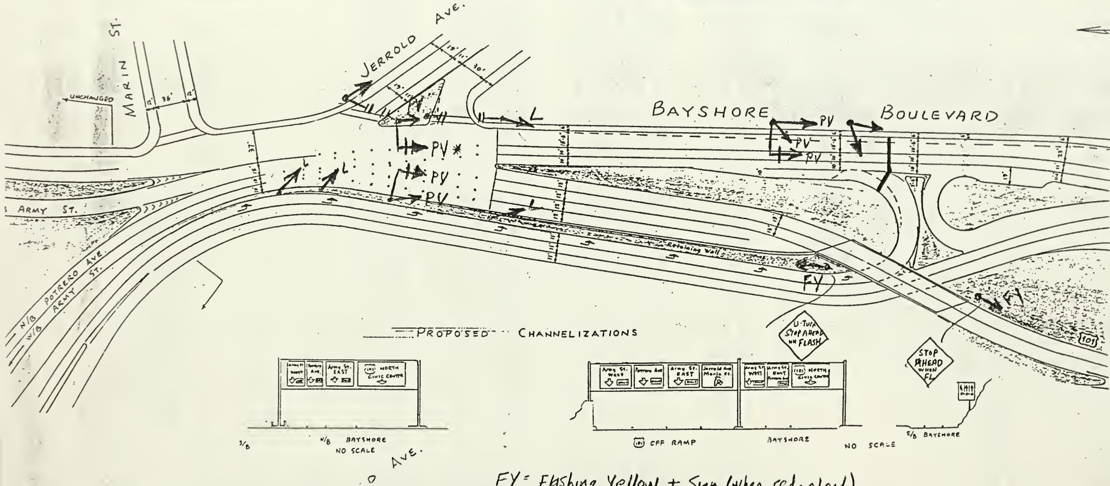
Bond M. Yee
Bureau Chief, Traffic

Attachments:	Project Plan, STR-6784 Conceptual Traffic Signal Plan

A:\BAYSHORE\UTILITYS

15) 554-2300 FAX (415) 554-2352 25 Van Ness Ave., Suite 345 San Francisco, CA 94102-4576

$ 100,000


MARIN ST.
UNCHANGED
JERROLD AVE.
BAYSHORE BOULEVARD
ARMY ST.
N/B POTRERO AVE
W/B ARMY ST.
37'
36'
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L
PV
PV *
FY
Retaining Wall
U-TURN STOP AHEAD ON FLASH
STOP AHEAD WHEN FL
101
PROPOSED
CHANNELIZATIONS
Army St. West
Potrero Ave.
Army St. EAST
101 NORTH CIVIC CENTER
S/B
N/B BAYSHORE
NO SCALE
AVE.
Army St. West
Potrero Ave
Army St. EAST
Jerrold Ave Marin St.
Army St. WEST
Army St. East Potrero Ave
101 NORTH Civic Center
101 OFF RAMP
BAYSHORE
NO SCALE
S/B BAYSHORE

FY = Flashing Yellow + Sign (when red-ahead)

*PV for distance ≈ 400'

L = Louvers

PV = Prog. Visibility

CULCOP - Minutes of Meeting No. 359

ATTACHMENT 3

Bureau of Street Use and Mapping

Moving Announcement

WE'RE MOVING

OUR CITY HALL OFFICES!!!

OUR NEW ADDRESS, EFFECTIVE TUESDAY, FEBRUAURY 14, 1995, WILL BE:

DEPARTMENT OF PUBLIC WORKS
BUREAU OF STREET-USE & MAPPING
875 STEVENSON STREET, FOURTH FLOOR
SAN FRANCISCO, CA 94102

OUR NEW OFFICES ARE LOCATED IN THE FURNITURE MART 2 BUILDING, AT THE CORNER OF TENTH STREET.

PHONE AND FAX NUMBERS WILL REMAIN THE SAME.

ATTENTION ATTENTION ATTENTION...........................
WE WILL BE MOVING ON FEB.10.
OUR OFFICES WILL BE CLOSED-------------------------

EXPECT REDUCED SERVICES A WEEK BEFORE(feb.06-10) AND
A WEEK AFTER(FEB. 13-17)

City and County of San Francisco

Department of Public Works
Bureau of Engineerng

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

COMMITTEE MEETING NO. 375

MAIN CONFERENCE ROOM
30 VAN NESS AVENUE, FIFTH FLOOR
(temporary change of location for GIS presentation)
THURSDAY May 9, 1996
10:00 AM

TABLE OF CONTENTS:

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I. Minutes of April 11, 1996 Meeting

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- Caltrans Projects
- Central Freeway Project
- Curb Ramp Standards
- Sewer Management System
- Status Report Clearances
- Uretek Slab Levelling Process
- Stick Map
- New Ball Park Project
- Potential uses of GIS

New Business:
- GIS Presentation by George White

II. DPT - Temporary Street Closure Report II - 1

III. Underground Planning Meeting Minutes III - 1

IV. Utility Coordination Report IV - 1

V. Five Year Sewer Plan Report V - 1

VI. Street Work Status Reports VI - 1

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Next Meeting: Thursday June 13, 1996 at 10:00 A. M.
BOE Conference Room
1680 Mission Street, Fourth Floor

Accessible Meeting Information

1. The meeting room is wheelchair accessible. Accessible seating for people with disabilities (including those using wheelchairs) will be available.

2. For American sign language interpreters, use of a reader during meeting, or sound enhancements, please contact CULCOP secretary at (415) 554-8274, at least 72 hours in advance of need. Late requests will be honored if possible.

3. Following a meeting, minutes are available in large prints or alternative formats. Please call CULCOP secretary at (415) 554-8274.

4. As part of the City's efforts to accommodate people with severe allergies. environmental illnesses, multiple chemical sensitivity, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these attendees and refrain from wearing perfume or other scented products.

5. The meeting will be held at 30 Van Ness Ave, the Fifth Floor Conference Room. Accessible Muni line serving this location is:

   #19, # 71, # 42 Muni Bus Lines
   K, L, M, N Muni Street Cars, stop at Van Ness Station

   For further information about MUNI accessible services, call MUNI's Elderly and Handicapped Program at 923-6142, TDD 923-6366.

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION

AND OTHER PROJECTS

UTILITY STREET OPENING AND
UNDERGROUND CONSTRUCTION PLANNING

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MINUTES OF MEETING NO. 375

May 9, 1996

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Henry Anderson	554-8329
Amy Chow	554-8249
Susanne Low	554-8273
Robert Mason	554-8251
Joe Norris	554-8274
Eric Omokaro	554-8320
Dimitri Stavrakis	554-8271
Armando Villanueva	558-4544
Thomas Won	554-8275
Nelson Wong	554-8281

Bureau of Street and Sewer Repair

Niles McDonald	695-6673

Bureau of Street Use Management

Cynthia Chono	554-6196
Rene Lopez	554-6201

DPW Public Affairs

☛ **(Representative not present)**

DPW Offc of Capital Resources Mgt

Marivic Huff	557-4736
George White	557-4740

Department of Parking and Traffic

Scott Broady	554-2326

MUNI Engineering

☛ **(Representative not present)**

San Francisco Port Authority

Skip Zeller	274-0552

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department

City Distribution Division

☛ **(Representative not present)**

Caltrans

Karen Ashe	557-7052
Dean Drablos	330-6537

Pacific Bell

Leo Ladner	542-9095
Gil Sams	542-7428

Pacific Gas & Electric

Gil Munoz	695-3550

SF Thermal

☛ **(Representative not present)**

Viacom Cablevision

Mike Callow	863-8500

Teleport Communications

☛ **(Representative not present)**

ICG Access Services

☛ **(Representative not present)**

Navigation Technologies

☛ **(Representative not present)**

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 375
May 9, 1996

OLD BUSINESS

Caltrans Projects Ms. Ashe reported that work is proceeding on the King Street touchdown ramps. Curb Ramp work on routes 1, 35, and 80 has involved some relocation of gas valves. The project on 280 between 23rd Street and 6th Street has entailed working with DPW on repairs to the box sewer at 7th and Townsend. Work will begin soon on the steel part of the Central Freeway between Mission and 17th St. and the scope includes adjustments to PG&E guy wires and the street lights in Division Street. The Central Freeway work does not appear to conflict with the Gas Main project nearby. The sewers on San Bruno Avenue will be impacted. Work begins next year on 101 from Gaven to Alemany Circle and will affect the gas main in San Bruno Avenue, the street lights, and possibly the high voltage line within the Circle. The project on 80 between 4th and 8th Streets will require utility relocation at 6th Street and street light adjustments at 7th Street. Work on the concrete portion of the Central Freeway is on hold pending consultations with US DOT and management decisions. The announced work date is still August. If the schedule changes, construction may coincide with resurfacing work on 19th Avenue which would affect the redirected traffic flow. DPT is also on hold pending a decision by Caltrans and resolution of neighborhood opposition to some of the rerouting plans.

Sewer Management System Mr. Won, Assistant Coordinator of Sewer Management System, reported no new developments this month and work is continuing on the 5 year sewer replacement program. The five year sewer replacement projects are denoted in CULCOP status report as SR 96, SR 97, etc..

Curb Ramp Standards Mr. Wong indicated that we have not yet heard anything new regarding standards since last month. Mr. Ladner reiterated that exception handling still needs clarification. The problem is the delays caused by decisions on exceptions while the construction remains on hold. This has led to many functional perhaps nonstandard ramps because the project could not be on hold for an exception decision. Mr. Mason, Manager of Project Development Section, replied that Project Development can now make the decisions on the spot and notify the Disability Task Force with copies of the utility's records. The language on the permit may be changed to reflect this procedure.

Status Report Clearances Ms. Chow, the Manager of Pavement Management & Mapping System, reported that we have now successfully transferred the CULCOP data base into Microsoft Access, which would allow us to make better reports and improve our efficiency in the future. The transfer of data is a necessary step for integration with the City's GIS tools. In terms of clearances, Ms. Chow would like agencies to provide data electronically via diskettes or web site 103725.542@compuserve.com. Currently, electronic data from utilities allows more efficiency and accuracy for the CULCOP reports. Any agency that wishes to exchange data electronically should call Ms. Chow for details. For those agencies that do not have access to electronic data transfer, the Clearance Form in CULCOP status report can be returned by fax. The form shows the list of streets that still need clearance and the agency that is withholding clearance.

Stick Map Ms. Chow displayed a sample map showing PGE, Sewer, and SFWD work for the current two years. Ms. Chow explained this is a joint effort between Project Development and BSM, where BSM provided the information to be plotted in electronic format. Efforts like this can be easily done, if the utility companies will provide 5-year project information. To develop these maps, CULCOP members can either get the database and maps from Ms. Chow or make a formal request for specific maps at the committee meetings. Ms. Chow also indicated that any of the sample maps that are shown in CULCOP can be provided to the members. The members are asked to call Mr. Norris, the CULCOP Secretary, for a copy of the maps with the desired size.

Uretek Slab Leveling Process Mr. Robert Mason, the Manager of Project Development Section, will be heading the demonstration project for Uretek products. A tentative date for the demonstration is on June 6, 1996. The exact time and location will be decided after May 29. Anyone interested in observing the demonstration, please contact Mr. Mason at 554-8251.

NEW BUSINESS

Utility Support Agreement Review Status

In late 1993, Pacific Bell requested a review of the utility support, work around and protect agreement. In 1994, the rest of the signatories to the utility agreement also requested a review of the utility agreement.

Mr. Larry Wong announced that, beginning the summer of 1994, a series of monthly meetings was held to discuss various topics such as notification, design review process, award process, construction conflicts, support work around crossing cost, and emergency projects.

As a result of these meetings through 1994 and 1995, Mr. Wong noted the following conclusions:

- The support, work around, and protect prices were acceptable.
- DPW Engineering would revise the emergency project notification procedure. DPW Construction Management would revise their procedures on handling conflicts discovered in the field.

- DPW and the various utility companies will continue closer coordination and communication for emergency projects as well as typical projects.
- Periodic meetings will be held to review procedures, agreement questions, interpretation, and other issues. Any party may request meeting concerning field conflicts without waiting for the periodic meetings.
- Utility specifications will address and include the other telecommunications firms in the utility support, work around and protect agreement in the future.

Mr. Wong thanked Pacific Bell for their involvement and commitment for the utility review.

Striping Restoration Mr. Broady noted that street openings that affect traffic striping should be restored with temporary tape markings, and that DPT's Paint Division should be notified (call Michael Danich at 715-4076) to do the permanent restoration and bill the utility. Failure to do so can create liability problems.

New PG&E Representative We welcome Gilbert Munoz, the new representative from PG&E.

GIS Base Map Mr. White and Ms. Huff presented a status report and demonstration of the City's Basemap Development Project. The cadastral features layer of the basemap is in the final stages of quality assurance and distribution. The centerline layer, which may be used by CULCOP should be completed and available by this Fall. Mr. White has contacted Mr. Nelson Wong, the chair of CULCOP, to create a GIS agenda item for the CULCOP monthly meetings to report the status of the Basemap Project and to develop additional GIS applications. The centerline basemap has been designed to facilitate easy linking with the CULCOP database and the City's Pavement Management System. The demonstration showed how easily CULCOP information can be extracted and displayed using GIS tools. In addition, the existing utility information can overlay orthographic photos of the City providing more geographic information. Mr. White noted the need to develop a standardized format for databases that will be used with the basemap and GIS applications. The demonstration also showed the GIS's great potential for planning joint utility projects. Attached to the minutes is additional information regarding the presentation. A paper written and presented by Mr. White, *San Francisco GIS Development from Concept to Reality*, was included in the last month's minutes packet.

The next meeting will be at 10:00 am Thursday, July 11, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

City and County of San Francisco

Department of Public Works
OFFICE OF CAPITAL RESOURCE MANAGEMENT

PRESENTATION
on the
STATUS OF THE SAN FRANCISCO BASEMAP
to the
COMMITTEE FOR UTILITIES LIAISON ON CONSTRUCTION AND OTHER PROJECTS
(CULCOP)

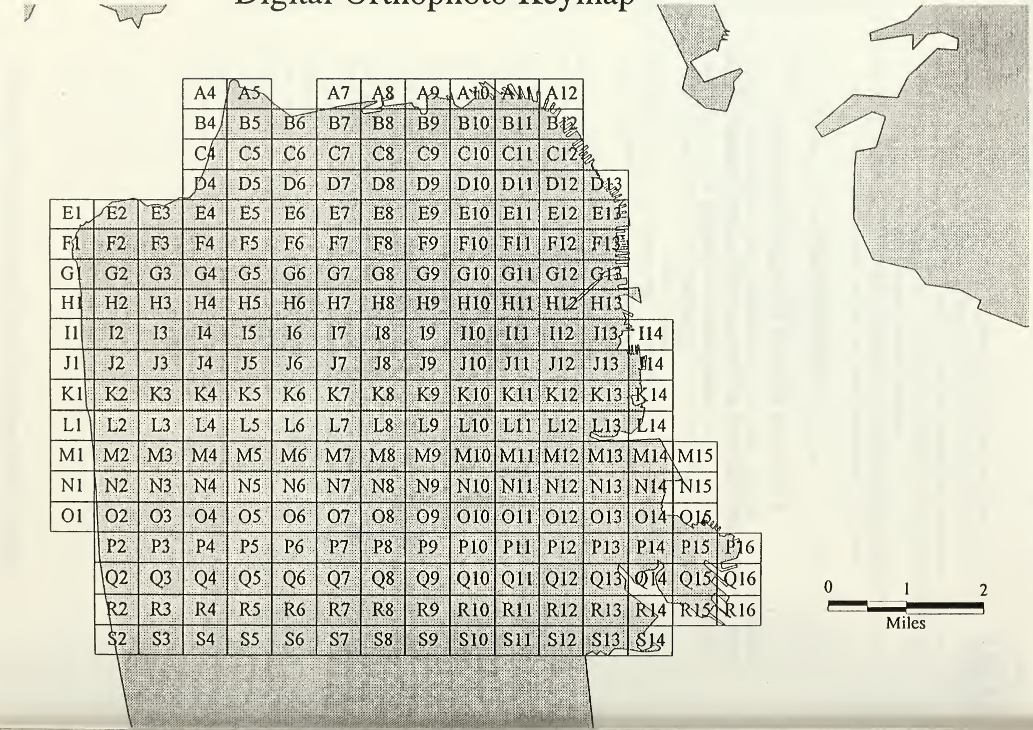
May 9, 1996
10:00 am - 12:00 noon
DPW/Office of Capital Resource Management
30 Van Ness Avenue, 5th Flr.
Conference Room [beside R.T. Cockburn's Office]
Attendees: CULCOP MEMBERS

AGENDA

- **Background**
- **BaseMap Digitizing Production**
- **Accomplishments**
- **Basemap Demonstration**

g:\gis\agenda\culcoprs.aga

City & County of San Francisco
Digital Orthophoto Keymap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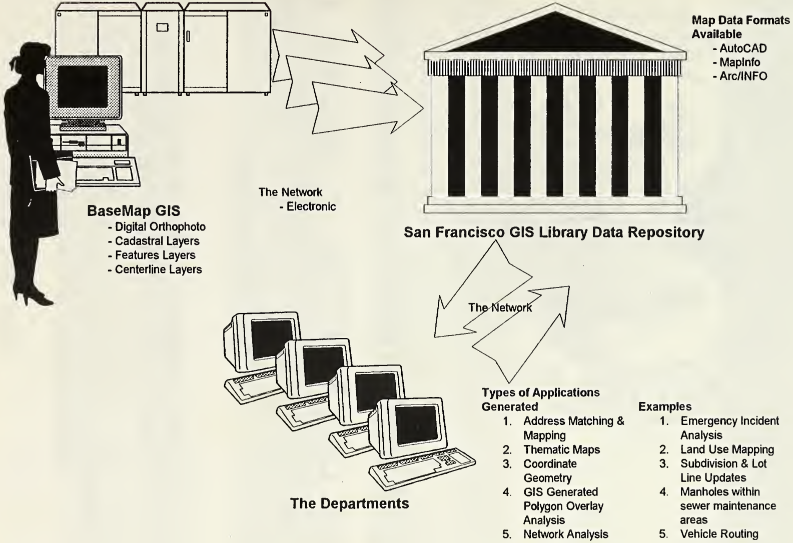
B4 B5 B6 B7 B8 B9 B10 B11 B12
C4 C5 C6 C7 C8 C9 C10 C11 C12
D4 D5 D6 D7 D8 D9 D10 D11 D12 D13
E1 E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12 E13
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 F13
G1 G2 G3 G4 G5 G6 G7 G8 G9 G10 G11 G12 G13
H1 H2 H3 H4 H5 H6 H7 H8 H9 H10 H11 H12 H13
I1 I2 I3 I4 I5 I6 I7 I8 I9 I10 I11 I12 I13 I14
J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14
K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K11 K12 K13 K14
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14
M1 M2 M3 M4 M5 M6 M7 M8 M9 M10 M11 M12 M13 M14 M15
N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12 N13 N14 N15
O1 O2 O3 O4 O5 O6 O7 O8 O9 O10 O11 O12 O13 O14 O15
P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16
Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16
R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16
S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14
0
1
2
Miles

DPW- Office of Capital
Resource Management

May 1996

San Francisco GIS Library Conceptual Model



BaseMap GIS
- Digital Orthophoto
- Cadastral Layers
- Features Layers
- Centerline Layers

The Network
- Electronic

San Francisco GIS Library Data Repository

Map Data Formats Available
- AutoCAD
- MapInfo
- Arc/INFO

The Network

The Departments

Types of Applications Generated
1. Address Matching & Mapping
2. Thematic Maps
3. Coordinate Geometry
4. GIS Generated Polygon Overlay Analysis
5. Network Analysis

Examples
1. Emergency Incident Analysis
2. Land Use Mapping
3. Subdivision & Lot Line Updates
4. Manholes within sewer maintenance areas
5. Vehicle Routing

library.vsd

CITY & COUNTY OF SAN FRANCISCO

GIS LIBRARY - STRUCTURE AND OPERATION - ROLES AND RESPONSIBILITIES ANALYSIS OVERVIEW

BY: JAMES G. DONAHUE, ISD
SR. GIS SYSTEMS ANALYST

Presented at the Government Technology Conference - Sacramento, CA.

May 16, 1996

X:\winword\gislbcv2.doc
Prepared by: J. Donahue

CCSF - GIS LIBRARY-STRUCTURE & OPERATIONS ROLES AND RESPONSIBILITIES

- GENERAL
- MAPS
- ORTHOGRAPHIC PHOTOS
- DATABASES

GIS LIBRARY ADMINISTRATIVE OPERATIONS

- GIS ADMINISTRATOR
- DEPARTMENTAL USERS

GIS LIBRARY CONFIGURATION

- STATEMENT OF PURPOSE

NETWORK HARDWARE AND SOFTWARE

- GIS UNIX FILE SERVER - FIGURE NO. 1
- WIDE AREA NETWORK HARDWARE - FIGURE NO. 2

GIS LIBRARY STAFFING

- MANAGER
- SYSTEMS ANALYST
- PROGRAMMER ANALYST

IMPLEMENTATION AND SCHEDULE

- INSTALLATION OF HARDWARE AND SOFTWARE DEPICTED IN FIGURE NOS. 1 & 2
- BULK LOAD DIGITAL CITY-WIDE BASE MAP AND DATA BASES OBTAINED FROM BSM.
- DEVELOP AND TEST PROCEDURES FOR CITY-WIDE DISTRIBUTION OF THE BASE MAP AND SUPPORTED DATA BASES.
- IDENTIFY AND ACCOMPLISH "PILOT PROJECT(S) AS DESCRIBED BELOW.

APPLICATION PILOT PROJECT(S)

- OBJECTIVES
  - ◊ TEST EACH SUPPORTED APPLICATION.
  - ◊ CREATE OR REVISE COST AND BENEFIT ESTIMATES
  - ◊ DEMONSTRATE THE CAPABILITIES OF THE SYSTEM
  - ◊ DETERMINE CLIENT ACCEPTANCE
  - ◊ SELECT THE BEST METHODS FOR IMPLEMENTATION
- OVERALL EVALUATION

CONCLUSIONS

- MANAGEMENT
- GIS USER GROUP
- LONG TERM OPERATION ISSUES
  - ◊ PUBLIC ACCESS
  - ◊ POTENTIAL REVENUE
- FINAL CONCLUSION

04/10/96

GIS Library - Structure and Operation

Roles and Responsibilities

General:

The City and County of San Francisco's Geographic Information Systems (GIS) Library will store and distribute the City-wide Base Map (49 square miles with 77 files) . It consists of about 75MG of Cadastral data and a centerline stick file (7MG). A digital orthographic major feature and images file (49 square miles with 254 Orthophoto files containing about (1.6GB). It also has related tabular data bases in several different user-ready formats of yet unknown size:

- Maps in AutoCad (Windows version, with ADE), MapInfo and DIME (Dual Independent Map Encoding) format (including Windows version), Arc/Info (DOS/Windows version, current release),

- Orthographic photos are stored as raster images in Tagged Image Format Files (TIFF) format. This format exists within AutoCad, ArcInfo, and MapInfo graphics software.

- Databases in dBaseIII (xBase, DOS version), Paradox (Windows version), and Oracle (DOS PC version), including release numbers for all of the above.

GIS Library Administrative Operations:

The GIS Library operates under the direction of the INFORMATION SERVICES DIVISION (ISD) of the Controller's Dept.

The duty of the ISD GIS Library Administrator is to distribute and give notification of periodic updates of the City-wide digital Base Map for the benefit of its departmental clients. BSM furnishes the original digital City-wide Base Map to the ISD GIS Library in the most current version of AutoCad. ISD will reformat the digital base map into the three other formats listed above and create appropriate database linkage to the three tabular databases mentioned above.

To use the GIS Library, client departments must copy the City-wide Base Map and tabular data files in a format that suits them best. Once a client department loads the maps onto its own system, it will be able to use and modify the files in any way they see fit.

GIS Library files are backed up on a daily basis. It is the responsibility of the client departments to backup files they have created for their own use.

Client departments will have "down-load only" access to the GIS Library updates. Data is updated and or manipulated only after being loaded onto the client department's platform.

Basemap Updates and Maintenance:

All submissions of maps and data revisions to be placed in the GIS Library come to and through DPW/BSM. The DPW/BSM GIS maintenance unit is responsible for a rigorous quality control and quality assurance (QC/QA) procedure that will ensure the credibility and integrity of the City-wide Base Map maintained within the GIS Library.

Another feature of GIS Library maintenance would be the use of an automated "date stamp". This will allow ISD to notify client departments of changes that have occurred since they last copied the Base Map from the GIS Library. Such notification will identify the file date appended to each graphic or database element as an attribute. This will enable each client department to develop procedures for running data base queries on the "date stamp" or develop file comparison applications to identify changes of particular interest.

The maintenance of the GIS Library will require cooperation and teamwork. An ISD/GIS Systems Analyst and a GIS Programmer/Analyst will interface with client departments and BSM. All participants will need to contribute time and resources to assure the maintenance of a single City-wide Base Map and related tabular data bases, that are consistent with the goals of the GIS Library program.

The GIS Manager and or Systems Analyst will interface with client departments to assist with the development of new applications, systems analysis, programming, and coordination of network support. Also to communicate to the client departments the availability and value of networking with other clients through the use of the GIS Bulletin Board maintained by DPW.

04/10/96

GIS Library Configuration

Statement of purpose:

The GIS Library hardware and software platforms are described below. The primary function is to capture and hold all data at One Market Plaza for future distribution through the hardware and software platform described below. The ISD GIS Programmer/Analyst will translate incoming graphic and data files into the formats being supported by the Library. ISD staff will have full CAD and GIS functionality, but will not have scanning, digitizing, and plotting capabilities.

Network Hardware and Software:

The City and County of San Francisco will utilize a SUN UNIX based File Server to house the GIS Library. It's linkage to a similar Workstation/Server within the Department of Public Works (DPW), Bureau of Street Use and Mapping (BSM), is shown by the wide area network model shown on Attachment B.

GIS processing now supports a full range of analytical applications that means there will be much input/output with huge processing requirements. The need is apparent for a high speed data communications network and a fast workstation/server environment.

The UNIX File Server is the GIS Library workhorse. UNIX is an operating system that has many variations, but the class of machine is reasonably generic. The key point is that similarity among UNIX variants makes it easier to "port" different application software among different hardware platforms, thus giving the client's flexibility in purchasing hardware.

GIS Unix File Server:

Sun SPARCstation 20 as specified on Attachment A.

Wide Area Network Hardware:

To be provided as shown on Attachment B

GIS Library Staffing:

In this growing discipline known as GIS job descriptions will need to keep pace with the demand for highly qualified staff. GIS is cross-disciplinary; therefore qualified people may have credentials in two or more professional areas, for example, geography and computer science, cartography and programming, planning/engineering and computer science. GIS staff will become more scarce as organizations move into GIS.

This demand will mean that many existing staff will have to obtain new skills. No organization will ever be able to hire all new staff (nor should we). A healthy mix of professional level employees, selective use of outside consultants, and in-house trained technicians will lead to staffing success.

The GIS Library staffing will consist of a Sr. GIS Systems Analyst and a Sr. GIS Analyst/Programmer. However, once the client departments begin updates and new changes begin to take place a quality control person from BSM will have to verify the integrity of the new data being added to the Library.

Eventually a GIS Library manager should supervise and coordinate the GIS activities required to keep the Library at top efficiency.

The same person can hold combinations of the following positions and job descriptions.

MANAGER: A Manager manages the team and the system, understands how GIS improves the organization and has excellent communication skills. A Manager must coordinate the project and the resources of the organization. This person may also act as an "expert level" GIS Systems Analyst and or Project Manager.

SYSTEMS ANALYST: Uses technical knowledge to solve GIS problems and satisfy information needs. Interviews' clients to help identify problems, current needs, and future visions. This person may also act as a Manager and or Project Manager as defined above.

PROGRAMMER: Translates and maintains requirements specified by the Systems Analyst. This refers to defined client interfaces, menus, macro level commands, and specific functions needed to meet user needs. This person may also perform the duties of a Systems Analyst in conjunction with programming.

Implementation and Schedule:

The GIS Library can be partially implemented and tested when the hardware and software can be made available to ISD and installed to acceptable specifications set forth by ISD Management.

Future implementation procedures and tasks include:

- Installation of Hardware and software outlined in Attachments A & B.
- Bulk load Digital City-wide Base Map and Data Bases obtained from BSM.
- Develop and test procedures for City-wide distribution of the Base Map and supported Data Bases.
- Identify and accomplish "pilot project(s) as described below.

Application Pilot Project(s):

The accomplishment of a "pilot project" or projects by testing various mapping application specifications on a portion of the digital City-wide Base Map subsequent to full implementation of the Library is a mandatory part of the GIS Library project. A pilot project is the first opportunity to showcase the Library City-wide. Clients should participate fully in the selection and design of the pilot project.

There are two basic parts to a pilot. First is to implement many data themes (files and layers) and client needs over a limited area of the City. This approach will demonstrate how the Library functions and will help designers and programmers to work out data and interface integration issues early in the project. A second strategy is to implement a few layers over the entire city. However, full advantages of the Library will not be evident until other data and functions become known.

Objectives:

While a major goal of the "pilot project" is to prove the value of GIS Technology and the Library, there are six objectives that will meet that goal:

Test each supported application.

After testing each application, determination of its feasibility is by reviewing the costs and benefits of implementing it and using it.

Create or revise cost and benefit estimates.

Convertion of maps and data for a small geographic area will generate a much more realistic cost estimate. This will allow real life examples, such as the time saved in creating a drawing, updating a map, or retrieving information for updating cost estimates.

Demonstrate the capabilities of the system.

Key decision-makers do not normally have the time to travel to other Cities or Counties to see GIS in operation. The "pilot project" makes it easier to schedule many different people for demonstrations and also allows them to observe the applications and capabilities of the system maps and data familiar to them.

Determine client acceptance.

Many people are apprehensive about using new technology. The success of the GIS Library depends so much on the people who will be using it on a daily basis. Therefore, it is of critical importance they become convinced it will be a benefit to them in their daily work tasks.

Avoidance of client acceptance problems, addressed and corrected immediately, before they adversely affect the project, is paramount to the success of any GIS project. Also, dropping some planned applications that people do not feel comfortable with becomes advisable.

Select the best methods for implementation.

In addition to testing the planned applications, the "pilot project" allows for the checking of different methods for making them work. Programmers are also able to test different programs, client commands, and menus to perform certain tasks. Tests on different data structures and definitions of layers can also be valuable during the "pilot project."

Evaluation.

Information needed to evaluate the GIS Library during the"pilot project" consists of:

1. The time required to add each additional map from existing sources;
2. The difference between the manual method for updating the map information and the automated method;
3. The difference between the manual method of retrieving or creating maps and drawings and the automated method;
4. The costs of operating the system over an extended period of time;
5. Savings of time in using the basic CAD features of the system;
6. Evaluation of the non-quantifiable benefits.

Full implementation planning for the life of the project is very important. There will be additions to the system throughout its life, and client applications will constantly evolve. Client and Executive expectations must be realistic.

Conclusions: Management, database administration, cartography, programming, and system administration skills are most important after the system implementation. Once the GIS Library has developed into an operational service, it is necessary to establish appropriate management and administrative mechanisms for long term operations.

GIS User Group

At this stage it is normal for a formalized "GIS User Group" to be designated to channel communications regarding changes to the system. Changes include, new applications and capabilities added, problems of using the systems and administering the databases, and any other information that needs dissemination among client/users and between client/users and the GIS Library support staff.

Long Term Operation Issues

Public Access

Legal and public access issues are management issues that are generally external from the day-to-day project issues. They can range from internal labor union contracts to regulations controlling proprietary data to State or Federal Freedom of Information Acts. Freedoms of Information Acts often provide the first face-to-face legal issue. The first time a constituent walks into the office and asks that all files be copied onto a floppy disk or CD-ROM, the legal issues start.

There is debate about the difference between open records or freedom of information versus the desire to charge for the duplication of data at the rate it costs to produce them. If produced, how will agencies fill the orders? What formats will they provide? Would they honor customized format requests partially or fully? Which formats are allowable for record archive?

Potential Revenue

A potential source of revenue to be considered is "consulting fees" and data sales to other entities. Many GIS departments are developing a fee structure for data sales and special project application development services. Many non-member entities make requests for assistance in using and or reformatting GIS Library data when purchased by them.

Final conclusion

GIS, Mapping, and Data Analysis functions have become a full professional component for the modern City and County to utilize for the benefit of its citizenry.

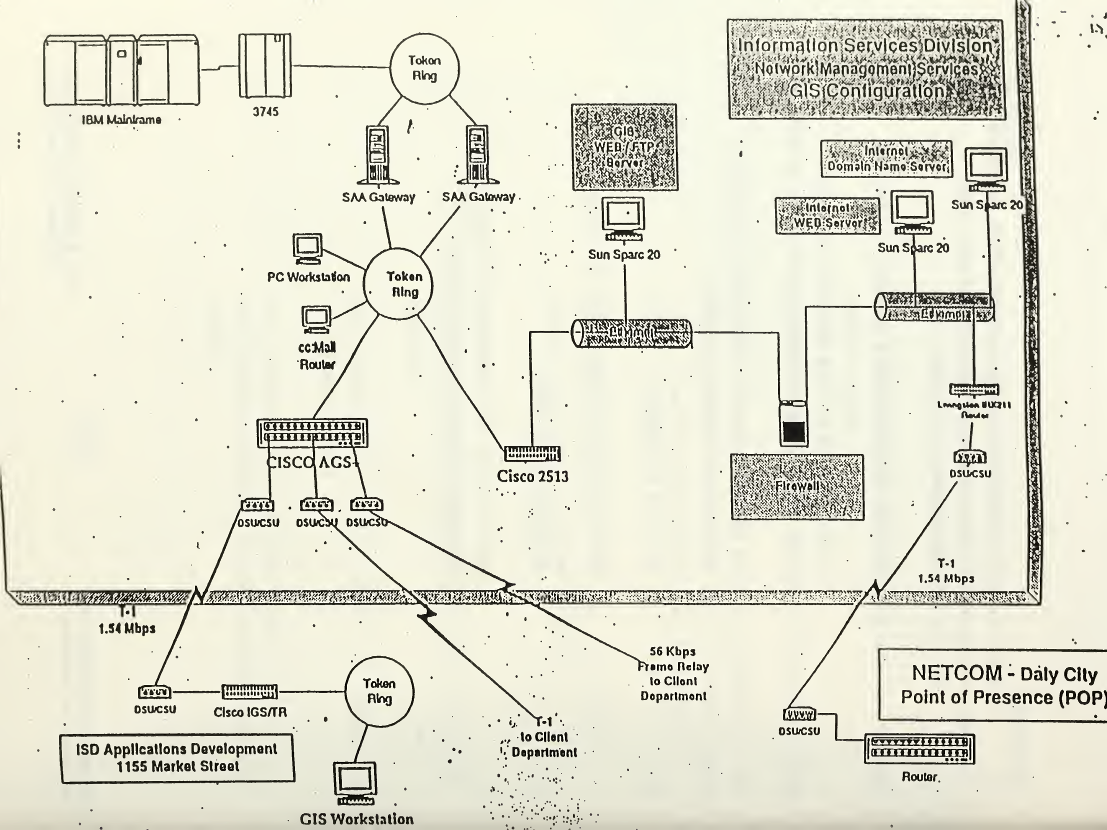
ATTACHMENT A

UNIX GIS BASEMAP LIBRARY SERVER

ITEM	QTY	DESCRIPTION
1.	1	SUN SPARCstation 20 - Model S20FX1-50-32-P46 *Note: This model is to be used as a WEB + FTP Server and not as a graphics workstation. A 15" Color Monitor comes with the Unit.*
2.	1	SUN 32-Mbyte Memory Expansion, Model:X132P for SPARCsystem 20
3.	1	Sun 1.44 Mbyte 3.5" Internal Floppy Drive for SPARCsystem 20 Model:X560A
4.	1	Sun 1.05-Gbyte SCSI-2 External Drive - Model X545A *Note: This Drive "mirrors" the Internal Drive to Backup the Operating System & WEB & FTP network software.*
5.	4	Sun 2-Gbyte SCSI-2 External Drive - Model X567A

		Note: This will provide 8-Gbytes for GIS Data that must the retain different versions of each file and some small WEB data files.
6.	1	SUN 14-Gbyte 8-mm Tape Desktop Storage Module Model: X844A
7.	1	SUNCD 2Plus Internal CD-ROM Drive Model: X578A
8.	1	SunLink TRI/S Products Sbus Card; Media; Documentation; and Single-Sbus License; Token-Ring interface/Sbus(TRI/S) for Solaris 2.x Model: X1014A
9.	1	Sun Type 5 country Kit for US and Canada only, North American Model: X3540A
10.	1	Sun Solaris End User Documentation Set Model SOL-ED
11.	1	Sun Solaris Media Model: SOLD-C or Solaris 1.1.2 media SC-P
12.	1	Sun Spectrum Support Program/Sun System Maintenance Service for Sun SPARCstation 20 - Silver

13.	1	**Sun Spectrum Support Program/Sun Software Maintenance Service for Solaris User Environment - Silver**
14.	1	SCSI-2 Interface Card - Model - Unknown *Note: This is for the addition of future disk drives without undue installation logistics.*
15.	12	14-Gbyte capacity - 8mm tapes for daily, weekly, and monthly backups
16.	1	APC 600 Watt UPS *Note: This is protection for the Server.*
17.	1	PowerChute for UNIX *Note: This is for protection of the Server - software for power outage shutdown.*


Information Services Division
Network Management Services
GIS Configuration
IBM Mainframe
3745
Token Ring
SAA Gateway
SAA Gateway
PC Workstation
Token Ring
cc:Mail Router
CISCO AGS+
DSU/CSU
DSU/CSU
DSU/CSU
Cisco 2513
GIS WEB/FTP Server
Sun Sparc 20
Internet Domain Name Server
Internet WEB Server
Sun Sparc 20
Sun Sparc 20
Livingston IRX211 Router
DSU/CSU
Firewall
T-1
1.54 Mbps
T-1
1.54 Mbps
56 Kbps Frame Relay to Client Department
T-1 to Client Department
DSU/CSU
Cisco IGS/TR
Token Ring
ISD Applications Development
1155 Market Street
GIS Workstation
NETCOM - Daly City
Point of Presence (POP)
DSU/CSU
Router

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City and County of San Francisco

Department of Public Works
Bureau of Engineerng

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

COMMITTEE MEETING NO. 376

BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR
THURSDAY June 13, 1996
10:00 AM

DOCUMENTS DEPT.
JUN 05 1996
SAN FRANCISCO
PUBLIC LIBRARY

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Old Business: I - 1
- Caltrans Projects
- Central Freeway Project
- Curb Ramp Standards
- Sewer Management System
- Status Report Clearances
- Stick Map
- Uretek Slab Levelling Process
- Status of Utility Support Agreement Review
- GIS Presentation by George White

New Business:
- San Francisco Bicycle Program by Peter Tannen

II. DPT - Temporary Street Closure Report II - 1

III. Underground Planning Meeting Minutes III - 1

IV. Utility Coordination Report IV - 1

V. Five Year Sewer Plan Report V - 1

VI. Street Work Status Reports VI - 1

Next Meeting: Thursday July 11, 1996 at 10:00 A. M.
BOE Conference Room
1680 Mission Street, Fourth Floor

Accessible Meeting Information

1. The meeting room is wheelchair accessible. Accessible seating for people with disabilities (including those using wheelchairs) will be available.

2. For American sign language interpreters, use of a reader during meeting, or sound enhancements, please contact CULCOP secretary at (415) 554-8274, at least 72 hours in advance of need. Late requests will be honored if possible.

3. Following a meeting, minutes are available in large prints or alternative formats. Please call CULCOP secretary at (415) 554-8274.

4. As part of the City's efforts to accommodate people with severe allergies, environmental illnesses, multiple chemical sensitivity, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these attendees and refrain from wearing perfume or other scented products.

5. The meeting will be held at 1680 Mission Street, the Fourth Floor Conference Room. Accessible Muni line serving this location is:

   Muni Bus Lines: #14, #14L on Mission Street; # 42 on Van Ness Avenue;
   #26 on Valencia Street; #71 on Noriaga Street; #9 on Market Street.
   Muni Street Cars: K, L, M, N, stops at Van Ness Station.

   For further information about MUNI accessible services, call MUNI's Elderly and Handicapped Program at 923-6142, TDD 923-6366.

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 375
May 9, 1996

ATTENDANCE:

Department of Public Works
Bureau of Engineering

Henry Anderson	554-8329
Amy Chow	554-8249
Susanne Low	554-8273
Robert Mason	554-8251
Joe Norris	554-8274
Eric Omokaro	554-8320
Dimitri Stavrakis	554-8271
Armando Villanueva	558-4544
Thomas Won	554-8275
Nelson Wong	554-8281

Bureau of Street and Sewer Repair

Niles McDonald	695-6673

Bureau of Street Use Management

Cynthia Chono	554-6196
Rene Lopez	554-6201

DPW Public Affairs

☛ **(Representative not present)**

DPW Offc of Capital Resources Mgt

Marivic Huff	557-4736
George White	557-4740

Department of Parking and Traffic

Scott Broady	554-2326

MUNI Engineering

☛ **(Representative not present)**

San Francisco Port Authority

Skip Zeller	274-0552

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department
City Distribution Division

☛ **(Representative not present)**

Caltrans

Karen Ashe	557-7052
Dean Drablos	330-6537

Pacific Bell

Leo Ladner	542-9095
Gil Sams	542-7428

Pacific Gas & Electric

Gil Munoz	695-3550

SF Thermal

☛ **(Representative not present)**

Viacom Cablevision

Mike Callow	863-8500

Teleport Communications

☛ **(Representative not present)**

ICG Access Services

☛ **(Representative not present)**

Navigation Technologies

☛ **(Representative not present)**

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 375
May 9, 1996

OLD BUSINESS

Caltrans Projects Ms. Ashe reported that work is proceeding on the King Street touchdown ramps. Curb Ramp work on routes 1, 35, and 80 has involved some relocation of gas valves. The project on 280 between 23rd Street and 6th Street has entailed working with DPW on repairs to the box sewer at 7th and Townsend. Work will begin soon on the steel part of the Central Freeway between Mission and 17th St. and the scope includes adjustments to PG&E guy wires and the street lights in Division Street. The Central Freeway work does not appear to conflict with the Gas Main project nearby. The sewers on San Bruno Avenue will be impacted. Work begins next year on 101 from Gaven to Alemany Circle and will affect the gas main in San Bruno Avenue, the street lights, and possibly the high voltage line within the Circle. The project on 80 between 4th and 8th Streets will require utility relocation at 6th Street and street light adjustments at 7th Street. Work on the concrete portion of the Central Freeway is on hold pending consultations with US DOT and management decisions. The announced work date is still August. If the schedule changes, construction may coincide with resurfacing work on 19th Avenue which would affect the redirected traffic flow. DPT is also on hold pending a decision by Caltrans and resolution of neighborhood opposition to some of the rerouting plans.

Sewer Management System Mr. Won, Assistant Coordinator of Sewer Management System, reported no new developments this month and work is continuing on the 5 year sewer replacement program. The five year sewer replacement projects are denoted in CULCOP status report as SR 96, SR 97, etc..

Curb Ramp Standards Mr. Wong indicated that we have not yet heard anything new regarding standards since last month. Mr. Ladner reiterated that exception handling still needs clarification. The problem is the delays caused by decisions on exceptions while the construction remains on hold. This has led to many functional perhaps nonstandard ramps because the project could not be on hold for an exception decision. Mr. Mason, Manager of Project Development Section, replied that Project Development can now make the decisions on the spot and notify the Disability Task Force with copies of the utility's records. The language on the permit may be changed to reflect this procedure.

Status Report Clearances Ms. Chow, the Manager of Pavement Management & Mapping System, reported that we have now successfully transferred the CULCOP data base into Microsoft Access, which would allow us to make better reports and improve our efficiency in the future. The transfer of data is a necessary step for integration with the City's GIS tools. In terms of clearances, Ms. Chow would like agencies to provide data electronically via diskettes or web site 103725.542@compuserve.com. Currently, electronic data from utilities allows more efficiency and accuracy for the CULCOP reports. Any agency that wishes to exchange data electronically should call Ms. Chow for details. For those agencies that do not have access to electronic data transfer, the Clearance Form in CULCOP status report can be returned by fax. The form shows the list of streets that still need clearance and the agency that is withholding clearance.

Stick Map Ms. Chow displayed a sample map showing PGE, Sewer, and SFWD work for the current two years. Ms. Chow explained this is a joint effort between Project Development and BSM, where BSM provided the information to be plotted in electronic format. Efforts like this can be easily done, if the utility companies will provide 5-year project information. To develop these maps, CULCOP members can either get the database and maps from Ms. Chow or make a formal request for specific maps at the committee meetings. Ms. Chow also indicated that any of the sample maps that are shown in CULCOP can be provided to the members. The members are asked to call Mr. Norris, the CULCOP Secretary, for a copy of the maps with the desired size.

Uretek Slab Leveling Process Mr. Robert Mason, the Manager of Project Development Section, will be heading the demonstration project for Uretek products. A tentative date for the demonstration is on June 6, 1996. The exact time and location will be decided after May 29. Anyone interested in observing the demonstration, please contact Mr. Mason at 554-8251.

NEW BUSINESS

Utility Support Agreement Review Status

In late 1993, Pacific Bell requested a review of the utility support, work around and protect agreement. In 1994, the rest of the signatories to the utility agreement also requested a review of the utility agreement.

Mr. Larry Wong announced that, beginning the summer of 1994, a series of monthly meetings was held to discuss various topics such as notification, design review process, award process, construction conflicts, support work around crossing cost, and emergency projects.

As a result of these meetings through 1994 and 1995, Mr. Wong noted the following conclusions:

- The support, work around, and protect prices were acceptable.
- DPW Engineering would revise the emergency project notification procedure. DPW Construction Management would revise their procedures on handling conflicts discovered in the field.

- DPW and the various utility companies will continue closer coordination and communication for emergency projects as well as typical projects.
- Periodic meetings will be held to review procedures, agreement questions, interpretation, and other issues. Any party may request meeting concerning field conflicts without waiting for the periodic meetings.
- Utility specifications will address and include the other telecommunications firms in the utility support, work around and protect agreement in the future.

Mr. Wong thanked Pacific Bell for their involvement and commitment for the utility review.

Striping Restoration Mr. Broady noted that street openings that affect traffic striping should be restored with temporary tape markings, and that DPT's Paint Division should be notified (call Michael Danich at 715-4076) to do the permanent restoration and bill the utility. Failure to do so can create liability problems.

New PG&E Representative We welcome Gilbert Munoz, the new representative from PG&E.

GIS Base Map Mr. White and Ms. Huff presented a status report and demonstration of the City's Basemap Development Project. The cadastral features layer of the basemap is in the final stages of quality assurance and distribution. The centerline layer, which may be used by CULCOP should be completed and available by this Fall. Mr. White has contacted Mr. Nelson Wong, the chair of CULCOP, to create a GIS agenda item for the CULCOP monthly meetings to report the status of the Basemap Project and to develop additional GIS applications. The centerline basemap has been designed to facilitate easy linking with the CULCOP database and the City's Pavement Management System. The demonstration showed how easily CULCOP information can be extracted and displayed using GIS tools. In addition, the existing utility information can overlay orthographic photos of the City providing more geographic information. Mr. White noted the need to develop a standardized format for databases that will be used with the basemap and GIS applications. The demonstration also showed the GIS's great potential for planning joint utility projects. Attached to the minutes is additional information regarding the presentation. A paper written and presented by Mr. White, *San Francisco GIS Development from Concept to Reality*, was included in the last month's minutes packet.

The next meeting will be at 10:00 am Thursday, July 11, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

City and County of San Francisco

Department of Public Works
OFFICE OF CAPITAL RESOURCE MANAGEMENT

PRESENTATION
on the
STATUS OF THE SAN FRANCISCO BASEMAP
to the
COMMITTEE FOR UTILITIES LIAISON ON CONSTRUCTION AND OTHER PROJECTS
(CULCOP)

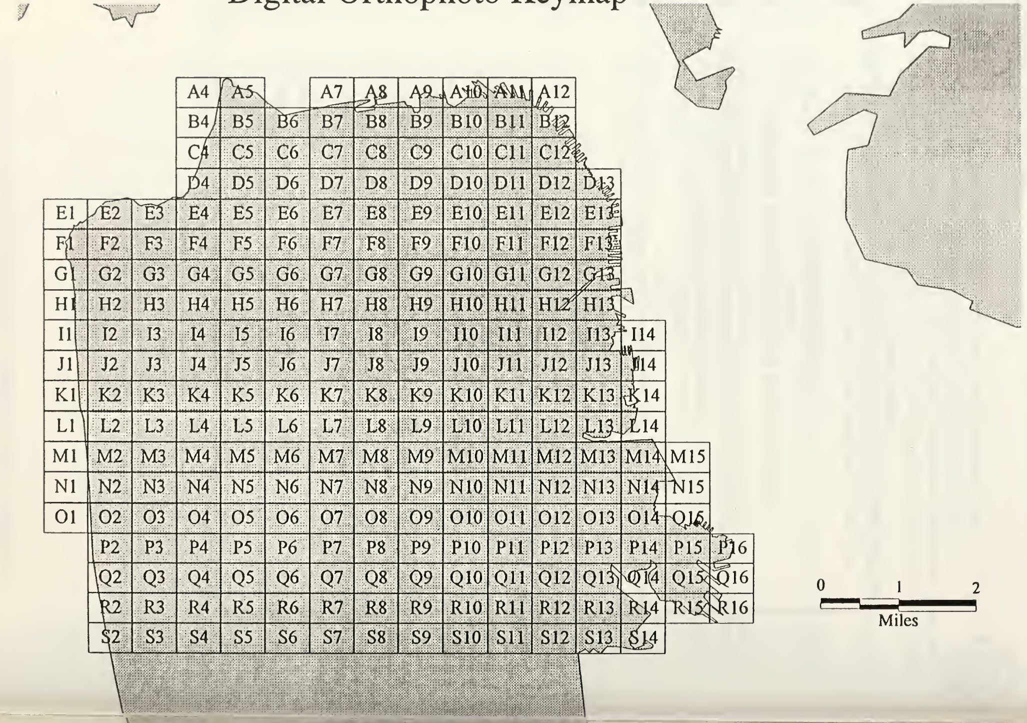
May 9, 1996
10:00 am - 12:00 noon
DPW/Office of Capital Resource Management
30 Van Ness Avenue, 5th Flr.
Conference Room [beside R.T. Cockburn's Office]
Attendees: CULCOP MEMBERS

AGENDA

- **Background**
- **BaseMap Digitizing Production**
- **Accomplishments**
- **Basemap Demonstration**

g:\gis\agenda\culcoprs.aga

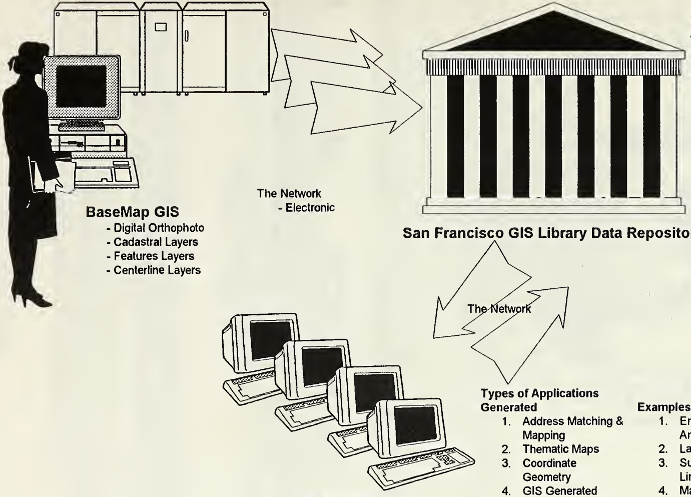
City & County of San Francisco
Digital Orthophoto Keymap


A4 A5 A7 A8 A9 A10 A11 A12
B4 B5 B6 B7 B8 B9 B10 B11 B12
C4 C5 C6 C7 C8 C9 C10 C11 C12
D4 D5 D6 D7 D8 D9 D10 D11 D12 D13
E1 E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12 E13
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 F13
G1 G2 G3 G4 G5 G6 G7 G8 G9 G10 G11 G12 G13
H1 H2 H3 H4 H5 H6 H7 H8 H9 H10 H11 H12 H13
I1 I2 I3 I4 I5 I6 I7 I8 I9 I10 I11 I12 I13 I14
J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14
K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K11 K12 K13 K14
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14
M1 M2 M3 M4 M5 M6 M7 M8 M9 M10 M11 M12 M13 M14 M15
N1 N2 N3 N4 N5 N6 N7 N8 N9 N10 N11 N12 N13 N14 N15
O1 O2 O3 O4 O5 O6 O7 O8 O9 O10 O11 O12 O13 O14 O15
P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16
Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16
R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16
S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14
0
1
2
Miles

DPW- Office of Capital
Resource Management

May 1996

San Francisco GIS Library Conceptual Model



BaseMap GIS
- Digital Orthophoto
- Cadastral Layers
- Features Layers
- Centerline Layers

The Network
- Electronic

San Francisco GIS Library Data Repository

Map Data Formats Available
- AutoCAD
- MapInfo
- Arc/INFO

The Network

The Departments

Types of Applications Generated
1. Address Matching & Mapping
2. Thematic Maps
3. Coordinate Geometry
4. GIS Generated Polygon Overlay Analysis
5. Network Analysis

Examples
1. Emergency Incident Analysis
2. Land Use Mapping
3. Subdivision & Lot Line Updates
4. Manholes within sewer maintenance areas
5. Vehicle Routing

CITY & COUNTY OF SAN FRANCISCO

GIS LIBRARY - STRUCTURE AND OPERATION - ROLES AND RESPONSIBILITIES ANALYSIS OVERVIEW

BY: JAMES G. DONAHUE, ISD
SR. GIS SYSTEMS ANALYST

Presented at the Government Technology Conference - Sacramento, CA.

May 16, 1996

X:\winword\gislbcv2.doc
Prepared by: J. Donahue

CCSF - GIS LIBRARY-STRUCTURE & OPERATIONS ROLES AND RESPONSIBILITIES

- GENERAL
- MAPS
- ORTHOGRAPHIC PHOTOS
- DATABASES

GIS LIBRARY ADMINISTRATIVE OPERATIONS

- GIS ADMINISTRATOR
- DEPARTMENTAL USERS

GIS LIBRARY CONFIGURATION

- STATEMENT OF PURPOSE

NETWORK HARDWARE AND SOFTWARE

- GIS UNIX FILE SERVER - FIGURE NO. 1
- WIDE AREA NETWORK HARDWARE - FIGURE NO. 2

GIS LIBRARY STAFFING

- MANAGER
- SYSTEMS ANALYST
- PROGRAMMER ANALYST

IMPLEMENTATION AND SCHEDULE

- INSTALLATION OF HARDWARE AND SOFTWARE DEPICTED IN FIGURE NOS. 1 & 2
- BULK LOAD DIGITAL CITY-WIDE BASE MAP AND DATA BASES OBTAINED FROM BSM.
- DEVELOP AND TEST PROCEDURES FOR CITY-WIDE DISTRIBUTION OF THE BASE MAP AND SUPPORTED DATA BASES.
- IDENTIFY AND ACCOMPLISH "PILOT PROJECT(S) AS DESCRIBED BELOW.

APPLICATION PILOT PROJECT(S)

- OBJECTIVES
  - ◊ TEST EACH SUPPORTED APPLICATION.
  - ◊ CREATE OR REVISE COST AND BENEFIT ESTIMATES
  - ◊ DEMONSTRATE THE CAPABILITIES OF THE SYSTEM
  - ◊ DETERMINE CLIENT ACCEPTANCE
  - ◊ SELECT THE BEST METHODS FOR IMPLEMENTATION
- OVERALL EVALUATION

CONCLUSIONS

- MANAGEMENT
- GIS USER GROUP
- LONG TERM OPERATION ISSUES
  - ◊ PUBLIC ACCESS
  - ◊ POTENTIAL REVENUE
- FINAL CONCLUSION

04/10/96

GIS Library - Structure and Operation

Roles and Responsibilities

General:

The City and County of San Francisco's Geographic Information Systems (GIS) Library will store and distribute the City-wide Base Map (49 square miles with 77 files) . It consists of about 75MG of Cadastral data and a centerline stick file (7MG). A digital orthographic major feature and images file (49 square miles with 254 Orthophoto files containing about (1.6GB). It also has related tabular data bases in several different user-ready formats of yet unknown size:

- Maps in AutoCad (Windows version, with ADE), MapInfo and DIME (Dual Independent Map Encoding) format (including Windows version), Arc/Info (DOS/Windows version, current release),

- Orthographic photos are stored as raster images in Tagged Image Format Files (TIFF) format. This format exists within AutoCad, ArcInfo, and MapInfo graphics software.

- Databases in dBaseIII (xBase, DOS version), Paradox (Windows version), and Oracle (DOS PC version), including release numbers for all of the above.

04/10/96

GIS Library Administrative Operations:

The GIS Library operates under the direction of the INFORMATION SERVICES DIVISION (ISD) of the Controller's Dept.

The duty of the ISD GIS Library Administrator is to distribute and give notification of periodic updates of the City-wide digital Base Map for the benefit of its departmental clients. BSM furnishes the original digital City-wide Base Map to the ISD GIS Library in the most current version of AutoCad. ISD will reformat the digital base map into the three other formats listed above and create appropriate database linkage to the three tabular databases mentioned above.

To use the GIS Library, client departments must copy the City-wide Base Map and tabular data files in a format that suits them best. Once a client department loads the maps onto its own system, it will be able to use and modify the files in any way they see fit.

GIS Library files are backed up on a daily basis. It is the responsibility of the client departments to backup files they have created for their own use.

Client departments will have "down-load only" access to the GIS Library updates. Data is updated and or manipulated only after being loaded onto the client department's platform.

Basemap Updates and Maintenance:

All submissions of maps and data revisions to be placed in the GIS Library come to and through DPW/BSM. The DPW/BSM GIS maintenance unit is responsible for a rigorous quality control and quality assurance (QC/QA) procedure that will ensure the credibility and integrity of the City-wide Base Map maintained within the GIS Library.

Another feature of GIS Library maintenance would be the use of an automated "date stamp". This will allow ISD to notify client departments of changes that have occurred since they last copied the Base Map from the GIS Library. Such notification will identify the file date appended to each graphic or database element as an attribute. This will enable each client department to develop procedures for running data base queries on the "date stamp" or develop file comparison applications to identify changes of particular interest.

The maintenance of the GIS Library will require cooperation and teamwork. An ISD/GIS Systems Analyst and a GIS Programmer/Analyst will interface with client departments and BSM. All participants will need to contribute time and resources to assure the maintenance of a single City-wide Base Map and related tabular data bases, that are consistent with the goals of the GIS Library program.

The GIS Manager and or Systems Analyst will interface with client departments to assist with the development of new applications, systems analysis, programming, and coordination of network support. Also to communicate to the client departments the availability and value of networking with other clients through the use of the GIS Bulletin Board maintained by DPW.

04/10/96

GIS Library Configuration

Statement of purpose:

The GIS Library hardware and software platforms are described below. The primary function is to capture and hold all data at One Market Plaza for future distribution through the hardware and software platform described below. The ISD GIS Programmer/Analyst will translate incoming graphic and data files into the formats being supported by the Library. ISD staff will have full CAD and GIS functionality, but will not have scanning, digitizing, and plotting capabilities.

Network Hardware and Software:

The City and County of San Francisco will utilize a SUN UNIX based File Server to house the GIS Library. It's linkage to a similar Workstation/Server within the Department of Public Works (DPW), Bureau of Street Use and Mapping (BSM), is shown by the wide area network model shown on Attachment B.

GIS processing now supports a full range of analytical applications that means there will be much input/output with huge processing requirements. The need is apparent for a high speed data communications network and a fast workstation/server environment.

The UNIX File Server is the GIS Library workhorse. UNIX is an operating system that has many variations, but the class of machine is reasonably generic. The key point is that similarity among UNIX variants makes it easier to "port" different application software among different hardware platforms, thus giving the client's flexibility in purchasing hardware.

GIS Unix File Server:

Sun SPARCstation 20 as specified on Attachment A.

Wide Area Network Hardware:

To be provided as shown on Attachment B

GIS Library Staffing:

In this growing discipline known as GIS job descriptions will need to keep pace with the demand for highly qualified staff. GIS is cross-disciplinary; therefore qualified people may have credentials in two or more professional areas, for example, geography and computer science, cartography and programming, planning/engineering and computer science. GIS staff will become more scarce as organizations move into GIS.

This demand will mean that many existing staff will have to obtain new skills. No organization will ever be able to hire all new staff (nor should we). A healthy mix of professional level employees, selective use of outside consultants, and in-house trained technicians will lead to staffing success.

The GIS Library staffing will consist of a Sr. GIS Systems Analyst and a Sr. GIS Analyst/Programmer. However, once the client departments begin updates and new changes begin to take place a quality control person from BSM will have to verify the integrity of the new data being added to the Library.

Eventually a GIS Library manager should supervise and coordinate the GIS activities required to keep the Library at top efficiency.

The same person can hold combinations of the following positions and job descriptions.

MANAGER: A Manager manages the team and the system, understands how GIS improves the organization and has excellent communication skills. A Manager must coordinate the project and the resources of the organization. This person may also act as an "expert level" GIS Systems Analyst and or Project Manager.

SYSTEMS ANALYST: Uses technical knowledge to solve GIS problems and satisfy information needs. Interviews' clients to help identify problems, current needs, and future visions. This person may also act as a Manager and or Project Manager as defined above.

PROGRAMMER: Translates and maintains requirements specified by the Systems Analyst. This refers to defined client interfaces, menus, macro level commands, and specific functions needed to meet user needs. This person may also perform the duties of a Systems Analyst in conjunction with programming.

Implementation and Schedule:

The GIS Library can be partially implemented and tested when the hardware and software can be made available to ISD and installed to acceptable specifications set forth by ISD Management.

Future implementation procedures and tasks include:

- Installation of Hardware and software outlined in Attachments A & B.
- Bulk load Digital City-wide Base Map and Data Bases obtained from BSM.
- Develop and test procedures for City-wide distribution of the Base Map and supported Data Bases.
- Identify and accomplish "pilot project(s) as described below.

Application Pilot Project(s):

The accomplishment of a "pilot project" or projects by testing various mapping application specifications on a portion of the digital City-wide Base Map subsequent to full implementation of the Library is a mandatory part of the GIS Library project. A pilot project is the first opportunity to showcase the Library City-wide. Clients should participate fully in the selection and design of the pilot project.

There are two basic parts to a pilot. First is to implement many data themes (files and layers) and client needs over a limited area of the City. This approach will demonstrate how the Library functions and will help designers and programmers to work out data and interface integration issues early in the project. A second strategy is to implement a few layers over the entire city. However, full advantages of the Library will not be evident until other data and functions become known.

Objectives:

While a major goal of the "pilot project" is to prove the value of GIS Technology and the Library, there are six objectives that will meet that goal:

Test each supported application.

After testing each application, determination of its feasibility is by reviewing the costs and benefits of implementing it and using it.

Create or revise cost and benefit estimates.

Convertion of maps and data for a small geographic area will generate a much more realistic cost estimate. This will allow real life examples, such as the time saved in creating a drawing, updating a map, or retrieving information for updating cost estimates.

Demonstrate the capabilities of the system.

Key decision-makers do not normally have the time to travel to other Cities or Counties to see GIS in operation. The "pilot project" makes it easier to schedule many different people for demonstrations and also allows them to observe the applications and capabilities of the system maps and data familiar to them.

Determine client acceptance.

Many people are apprehensive about using new technology. The success of the GIS Library depends so much on the people who will be using it on a daily basis. Therefore, it is of critical importance they become convinced it will be a benefit to them in their daily work tasks.

Avoidance of client acceptance problems, addressed and corrected immediately, before they adversely affect the project, is paramount to the success of any GIS project. Also, dropping some planned applications that people do not feel comfortable with becomes advisable.

Select the best methods for implementation.

In addition to testing the planned applications, the "pilot project" allows for the checking of different methods for making them work. Programmers are also able to test different programs, client commands, and menus to perform certain tasks. Tests on different data structures and definitions of layers can also be valuable during the "pilot project."

04/10/96

Evaluation.

Information needed to evaluate the GIS Library during the"pilot project" consists of:

1. The time required to add each additional map from existing sources;
2. The difference between the manual method for updating the map information and the automated method;
3. The difference between the manual method of retrieving or creating maps and drawings and the automated method;
4. The costs of operating the system over an extended period of time;
5. Savings of time in using the basic CAD features of the system;
6. Evaluation of the non-quantifiable benefits.

Full implementation planning for the life of the project is very important. There will be additions to the system throughout its life, and client applications will constantly evolve. Client and Executive expectations must be realistic.

Conclusions: Management, database administration, cartography, programming, and system administration skills are most important after the system implementation. Once the GIS Library has developed into an operational service, it is necessary to establish appropriate management and administrative mechanisms for long term operations.

GIS User Group

At this stage it is normal for a formalized "GIS User Group" to be designated to channel communications regarding changes to the system. Changes include, new applications and capabilities added, problems of using the systems and administering the databases, and any other information that needs dissemination among client/users and between client/users and the GIS Library support staff.

Long Term Operation Issues

Public Access

Legal and public access issues are management issues that are generally external from the day-to-day project issues. They can range from internal labor union contracts to regulations controlling proprietary data to State or Federal Freedom of Information Acts. Freedoms of Information Acts often provide the first face-to-face legal issue. The first time a constituent walks into the office and asks that all files be copied onto a floppy disk or CD-ROM, the legal issues start.

There is debate about the difference between open records or freedom of information versus the desire to charge for the duplication of data at the rate it costs to produce them. If produced, how will agencies fill the orders? What formats will they provide? Would they honor customized format requests partially or fully? Which formats are allowable for record archive?

Potential Revenue

A potential source of revenue to be considered is "consulting fees" and data sales to other entities. Many GIS departments are developing a fee structure for data sales and special project application development services. Many non-member entities make requests for assistance in using and or reformatting GIS Library data when purchased by them.

04/10/96

Final conclusion

GIS, Mapping, and Data Analysis functions have become a full professional component for the modern City and County to utilize for the benefit of its citizenry.

ATTACHMENT A

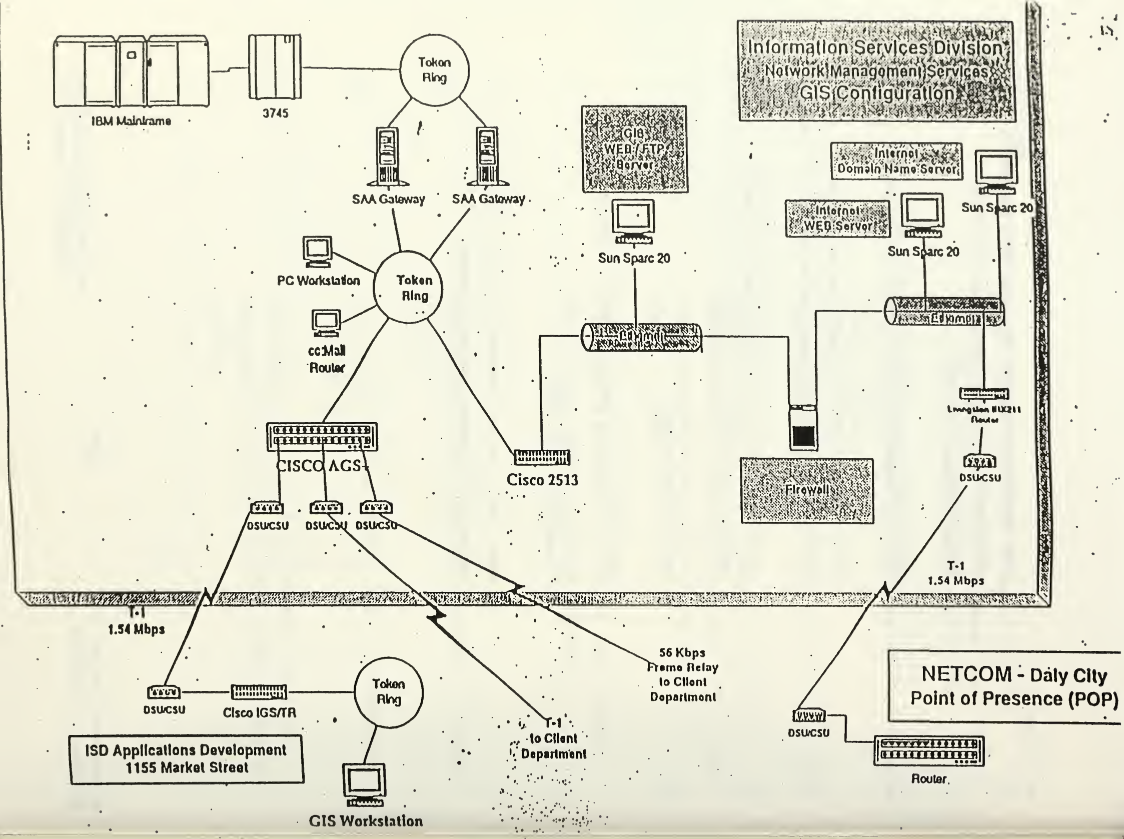
UNIX GIS BASEMAP LIBRARY SERVER

ITEM	QTY	DESCRIPTION
1.	1	SUN SPARCstation 20 - Model S20FX1-50-32-P46 *Note: This model is to be used as a WEB + FTP Server and not as a graphics workstation. A 15" Color Monitor comes with the Unit.*
2.	1	SUN 32-Mbyte Memory Expansion, Model:X132P for SPARCsystem 20
3.	1	Sun 1.44 Mbyte 3.5" Internal Floppy Drive for SPARCsystem 20 Model:X560A
4.	1	Sun 1.05-Gbyte SCSI-2 External Drive - Model X545A *Note: This Drive "mirrors" the Internal Drive to Backup the Operating System & WEB & FTP network software.*
5.	4	Sun 2-Gbyte SCSI-2 External Drive - Model X567A

Note: This will provide 8-Gbytes for GIS Data that must the retain different versions of each file and some small WEB data files.

6.	1	SUN 14-Gbyte 8-mm Tape Desktop Storage Module Model: X844A
7.	1	SUNCD 2Plus Internal CD-ROM Drive Model: X578A
8.	1	SunLink TRI/S Products Sbus Card; Media; Documentation; and Single-Sbus License; Token-Ring interface/Sbus(TRI/S) for Solaris 2.x Model: X1014A
9.	1	Sun Type 5 country Kit for US and Canada only, North American Model: X3540A
10.	1	Sun Solaris End User Documentation Set Model SOL-ED
11.	1	Sun Solaris Media Model: SOLD-C or Solaris 1.1.2 media SC-P
12.	1	Sun Spectrum Support Program/Sun System Maintenance Service for Sun SPARCstation 20 - Silver

13.	1	Sun Spectrum Support Program/Sun Software Maintenance Service for Solaris User Environment - Silver
14.	1	SCSI-2 Interface Card - Model - Unknown *Note: This is for the addition of future disk drives without undue installation logistics.*
15.	12	14-Gbyte capacity - 8mm tapes for daily, weekly, and monthly backups
16.	1	APC 600 Watt UPS *Note: This is protection for the Server.*
17.	1	PowerChute for UNIX *Note: This is for protection of the Server - software for power outage shutdown.*


Information Services Division
Network Management Services
GIS Configuration
IBM Mainframe
3745
Token Ring
SAA Gateway
SAA Gateway
PC Workstation
Token Ring
cc:Mail Router
CISCO AGS+
DSU/CSU
DSU/CSU
DSU/CSU
Cisco 2513
GIS WEB / FTP Server
Sun Sparc 20
Internet WEB Server
Internet Domain Name Server
Sun Sparc 20
Sun Sparc 20
Firewall
Livingston IRX211 Router
DSU/CSU
T-1
1.54 Mbps
T-1
1.54 Mbps
56 Kbps Frame Relay to Client Department
T-1 to Client Department
DSU/CSU
Cisco IGS/TR
Token Ring
GIS Workstation
ISD Applications Development
1155 Market Street
NETCOM - Daly City
Point of Presence (POP)
DSU/CSU
Router

GIS Workstation

Wednesday, May 22, 1996

UPCOMING STREETS CLOSURES FOR SPECIAL EVENTS

EVENT	START DATE	END DATE	TYPE	STREETS	OK
FIESTA FILIPINA	6/15/96	6/16/96		PIER 45 (PORT)	
NORTH BEACH FESTIVAL	6/15/96	6/16/96	FAIR	GRANT:COLUMBUS TO FILBERT ETC.	5/9/96
PERRY'S 5K&10K RUN	6/16/96	6/16/96	ATHLET	VARIOUS LOCATIONS	2/22/96
GAY&LESBIAN FILM FESTIVAL	6/19/96	7/1/96		PARKING LOT ADJACENT TO CASTRO TH	
NEIGHBORHOOD BLOCK PARTY	6/22/96	6/22/96		18TH AVE: VICENTE TO WAWONA	5/9/96
NEIGHBORHOOD BLOCK PARTY	6/23/96	6/23/96		VALLEJO: STEINER TO FILLMORE	5/23/96
NEIGHBORHOOD BLOCK PARTY	6/29/96	6/29/96		CHESTNUT:BRODERICK TO BAKER	5/9/96
SFLGBT CELEBRATION	6/29/96	6/30/96		S. EMB: BDW TO MIS; ETC	4/11/96
SFLGBT PARADE	6/30/96	6/30/96	PARADE	CIVIC CENTER AREA; MARKET ST	
OVERFLOW POST PARADE	6/30/96	7/1/96		TOWNSEND: 2ND TO 3RD STS.	5/23/96
NEIGHBORHOOD BLOCK PARTY	7/4/96	7/4/96		37TH AVE: KIRKHAM TO LAWTON	4/25/96
SF CHRONICLE 4TH OF JULY	7/4/96	7/4/96		FISHERMAN'S WHARF; JUSTIN HERMAN	
FILLMORE STREET FAIR	7/6/96	7/7/96	FAIR	FILLMORE:JACKSON TO POLK	1/11/96
STCC CONVENTION	7/7/96	7/7/96		CASTRO:18TH TO MKT.(1LANE TRAFFIC	4/25/96
BASTILLE DAY PARTY	7/12/96	7/15/96		CLAUDE LN: BUSH TO SUTTER	5/23/96
CELEBRATION OF BASTILLE DA	7/13/96	7/15/96		BELDEN: PINE TO BUSH	5/23/96
SF MARATHON	7/14/96	7/14/96	ATHLET	VARIOUS LOCATIONS	9/28/96
BLUES ON POLK ST. FAIR	7/20/96	7/21/96	FAIR	POLK: BUSH TO JACKSON	1/11/96
SF TRIATHLON	7/27/96	7/27/96	ATHLET	PT LOBOS:45TH TO END; GREAT HWY	12/28/95
UP YOUR ALLEY FAIR	7/28/96	7/28/96	FAIR	FOL:9TH TO 10TH; DORE:HOW TO FOL	12/14/95
49'ERS VS DENVER	8/3/96	8/3/96		CANDLESTICK (1 PM)	
NATIONAL INLINE SKATE SERIE	8/3/96	8/4/96		PIER 45 (PORT)	
NIHONMACHI STREET FAIR	8/3/96	8/4/96	FAIR	POST:LAGUNA TO WEBSTER	
CHASE CORPORATE CHALLEN	8/7/96	8/7/96	ATHLET	MKT:MAIN TO STEUART; STEUART: MKT	4/11/96
49'ERS VS SAN DIEGO	8/10/96	8/10/96		CANDLESTICK (5 PM)	
VIETNAMESE WATER PUPPETS	8/10/96	8/11/96		PIER 45 (PORT)	
VIETNAMESE WATER PUPPETS	8/17/96	8/18/96		PIER 45 (PORT)	
49ERS VS JACKSONVILLE	8/18/96	8/18/96		CANDLESTICK (5 PM)	
ESCAPE FROM ALCATRAZ	8/18/96	8/18/96	ATHLET	MARINA BLVD:LAG TO BAKER-1 LANE ON	
GIANT'S RUN TO HOME PLATE	8/24/96	8/24/96	ATHLET	VARIOUS LOCATIONS: CANDLESTICK PA	4/11/96
CYCLE MESSENGER WORLD CI	8/31/96	9/2/96	ATHLET	VARIOUS LOCATIONS:FINANCIAL DIST	5/9/96
49ERS VS NEW ORLEANS	9/1/96	9/1/96		CANDLESTICK (1 PM)	
49ERS VS ST. LOUIS	9/8/96	9/8/96		CANDLESTICK (1 PM)	
ANNUAL MARCH OF WITNESS	9/15/96	9/15/96		POWELL:BROADWAY TO VALLEJO; POR	
CHINATOWN MOON FESTIVAL	9/20/96	9/22/96	FAIR	GRANT:CAL TO PAC; WAS: WAVERLY TO	1/25/96
SUKKOT:FESTIVAL OF THE BO	9/28/96	9/29/96	FAIR	ARGUELLO:SAC TO WAS; LAKE:ARG TO	2/8/96
49ERS VS ATLANTA	9/29/96	9/29/96		CANDLESTICK (1 PM)	
FOLSOM ST. FAIR	9/29/96	9/29/96	FAIR	FOL: 7TH TO 12TH ETC.	12/14/95
SF EAGLE CELEBRATION	9/29/96	9/29/96		12TH ST.:FOLSOM TO HARRISON	
WORLD PUMPKIN WEIGH OFF	10/5/96	10/5/96		PORT	
SF MOTORCYCLE RUN	10/5/96	10/6/96		PAGE: FRANKLIN TO GOUGH	4/25/96
BLESSING OF THE FISHING FLE	10/6/96	10/6/96		FILBERT:STO TO POW; JEFF:JONES TO T	3/28/96
BRIDGE TO BRIDGE RUN	10/6/96	10/6/96	ATHLET	NBEMB:HOW TO JEF; JEF:EMB TO AQUA	12/14/95
CASTRO STREET FAIR	10/6/96	10/6/96	FAIR	VARIOUS LOCATIONS:CASTRO DISTRICT	

Department of Public Works
Bureau of Street-Use & Mapping

UNDERGROUND PLANNING MEETING

MEETING DATE: May 7, 1996

PRESENT:

Tom Trimbur	-	DPW/BSM	(554-6167)
Peter Albert	-	DCP	(558-6310)
Brian Gatter	-	DPW/BOE/Landscape	(554-8292)
Lesley Wong	-	DPW/BOE/S&H	(554-8213)
Terry Bouey	-	VIACOM	(863-8500)
Leo Ladner	-	PacBell	(542-9095)
Chris Baker	-	PG&E	(695-3337)
Ken Flinn	-	PG&E	(695-3394)
Don Stroh	-	Dolores Hts. Improv. Club	(826-8296)
David Evers	-	Dolores Hts. Improv. Club	(285-4610)
Amy Powell	-	Dolores Hts. Improv. Club	(647-4228)
Jesse Vetrano	-	Dolores Hts. Improv. Club	(861-0582)
William Kingsbury	-	Dolores Hts. Improv. Club	

DISCUSSION:

A. PROJECT STATUS

1. UGD 318 - DOLORES HEIGHTS ASSESSMENT DISTRICT

Mr. Ladner indicated that there was 1 to 1½ weeks of administrative work to be done prior to a pre-bid meeting and that he expected the contract to be awarded in 3½ to 4 weeks. The actual start date will be determined after award of the contract and will depend to some extent on the volume of work the successful bidder has. Mr. Stroh requested that Mr. Trimbur be kept informed as to the progress of the prebid conference and bid dates.

Mr. Ladner questioned the progress of the effort to place the above ground switching box at 22nd and Church on MUNI property. Mr. Trimbur indicated that he would be setting up a meeting with MUNI to discuss this particular site as well as above grade boxes in general.

Mr. Baker indicated that he had received no response to the Notice of Intent for Dorlan and Dolores Terrace, which are to have gas main replacement, that PG&E sent out in late March.

2. UGD 310 - PRESIDIO HEIGHTS

PHASE 1 - Mr. Trimbur reported that he had set a public hearing for May 15 on the six non-converted properties in Presidio Heights Phase I. He distributed notices of the hearing.

PHASE 2 - Mr. Trimbur reported that streetlighting design for Phase 2 was in progress and that the City would provide PG&E with light pole locations in about six weeks.

Mr. Baker reported that he has received no response to PG&E's Notice of Intent which was sent out in January. Mr. Ladner said that PacBell would respond in 6 to 8 weeks.

Mr. Ladner indicated that he had not received maps of the area indicating sidewalk widths. Mr. Trimbur stated that he had made copies of the maps but would supply additional copies after the meeting.

(415) 554-5800 Fax (415) 554-6161 875 Stevenson St. Rm. 460 San Francisco 94103-0942

3. UGD 319 - HARRISON STREET BETWEEN 10TH & 11TH

Mr. Trimbur reported that Mr. DeAnda of PG&E raised questions regarding the intent of the property owner to complete the conversion. Mr. Trimbur to call the contractor who pulled the electrical permit. If needed, he will proceed to have the work completed.

4. UGD 320 - BREWSTER/JOY

Bids were received on May 1st and the Ruiz was the apparent low bidder. Given City award process, a tentative start time would be early August. This would put beginning of utility work in early October.

There will be a community meeting June 11th to discuss the construction process, schedule, and property owner responsibilities.

5. UGD 321 - INDIANA STREET/ISLAIS CREEK

No report.

B. OTHER BUSINESS

1. Mr. Albert reported that the first design meeting for the Bernal Heights Banks/Chapman area will take place on May 28th.
2. Mr. Albert reported that the Planning Commission had approved a conditional use permit for the Safeway at Duboce and Market which included $20,000 for streetlighting. Mr. Trimbur stated that he had commitments from MUNI and Hetch Hetchy to make this amount cover the City's costs for streetlighting.
3. Mr. Gatter questioned the status of Pemberton Steps wire removal/pole relocation which had been discussed several months ago in conjunction with the right-of-way improvements. Mr. Trimbur said he would look into the project and report back next month.
4. Mr. Ladner questioned the City's specification for rigid conduit for streetlighting feeds. Mr. Trimbur will send memo to Hetch Hetchy for clarification.
5. Mr. Baker introduced Ken Flinn who will be moving into coordinating undergrounding for PG&E.
6. Mr. Ladner suggested looking into undergrounding on 22nd between Taraval and Santiago along McCoppin Square. Key Stops will require major reconfiguration of sidewalk and moving poles.
7. Leslie Wong stated that a major redesign of the Bettor weave project was being presented by to the Parking and Traffic Commission. Following approval, BOE/DPT will pursue the undergrounding of utilities. Some discussion of schedules followed but needs clarification.
8. Mr. Trimbur distributed preliminary maps of the proposed widening of Cesar Chavez Street. The City is considering undergrounding in conjunction with this project and a Director's Hearing is set for May 22. The utilities indicated that this would be a good candidate for undergrounding.

THE NEXT MEETING WILL BE HELD ON TUESDAY, 4 JUNE, AT 9:00 A.M. AT 875 STEVENSON STREET, FOURTH FLOOR, BSM CONFERENCE ROOM.

cc: All Attendees
CULCOP - thru Joe Norris
Ray Gigliati - BSM
Hin Lok Kung - BOE
Jack Donohoe - DET
Charles Germer - PG&E
Manfred Wong - PMD
David Assadurian - PacBell
Terry Bouey - VIACOM
Carlos DeAnda - PG&E
Denise Brady - BSM
Cynthia Chono - BSM
Ray Yamagishi - BLHP
Larry Fitzgerald - MUNI
Sam Lauter - PG&E
Carol Finucane - BOE
Peter Albert - DCP
Leo Ladner - PacBell
Joe Morino - DHIC
Norman Chan - BOE
Tom Flahavan - DET
Mike Callow - VIACOM
Dee Lemmon - BLHP
Joe Ovadia - PMD
Naoki Kaku - BOE
Lynn Bunim - PacTel
Chris Southard - PG&E

City and County of San Francisco

Department of Public Works
Bureau of Engineering

UTILITY COORDINATION REPORT
for May 1, 1996 to May 20, 1996

Notice of Intent and Request for Information Issued:	**Date**
1184N - Various Locations Concrete Street Reconstruction #10	05-10-96
1293N - Galvez Avenue and Third Street Pavement Regrading	05-20-96

Final Preliminary Plans Issued:	
1185N - Various Locations Concrete Street Reconstruction #11	05-20-96
1209N - Larkin/Greenwich Streets Sewer Replacement	05-20-96

State of California:

none

Other

none

1680 Mission Street, San Francisco, CA 94103 (415) 554-8232 / FAX (415) 554-8243

PROJECTS IN PROGRESS

revised 5/20/96:LOG.XLW

PROJECT #	PROJECT COORDINATOR	PHONE	PROJECT TITLE
—N	ERIC KJELSERG	554-8277	FISHERMAN'S WHARF TRIANGLE & PLAZA IMPROVEMENTS
1004N	RUFINO DE LEON	554-8945	EVANS AVENUE AT POST OFFICE: STREET REGRADING (PR)
1022N	LESLEY WONG	554-8261	HAIGHT AND PAGE STS (PR)
1036N	LESLEY WONG	554-8252	FOURTH STREET (PR)
1057N	NAOKI KAKU	554-8246	VARIOUS LOCATIONS, BUENA VISTA DISTRICT PAVEMENT RENOVATION
1083N	RUFINO DE LEON	554-8245	LYON ST. AND PRESIDIO AVE. (PR)
1100N	MARTHA KETTERER	554-8296	ECKER STREET, MISSION STREET TO ELIM ALLEY
1108N	LESLEY WONG	554-8252	BAYSHORE WEAVE, TRAFFIC SIGNALS AND CHANNELIZATION
1109N	JAMES O'DONOVAN	554-8263	CESAR CHAVEZ (ARMY) STREET WIDENING
1133N	RAMON KONG	554-8256	FULTON STREET ROADWAY WIDENING
1138N	IQBAL DHAPA	554-8337	FAIRMONT AND RANDALL STS. (SR)
1148N	BHULA PATEL	554-8324	MOULTON FROM WEBSTER TO BUCHANNAN STS. (SR)
1151N	PAK CHOI	554-8283	CHINATOWN LIGHTING IMPROVEMENTS, PHASE III
1155N	BIRGIT CHASE	554-8336	CHESTNUT ST./PACIFIC AVE. (SR)
1184N	JOHNNY VILLASICA	554-8338	FLORIDA ST. (SR)
1184Nold	PAK CHOI	554-8283	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #10
1184N	PAK CHOI	554-8283	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #10
1184N	KEN CHU	554-8271	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #11
1184N	BHULA PATEL	554-8324	GRANT AVE./CHESTNUT ST. (SR)
1195N	GYEE YANG	558-4553	MARKET AND STEUART STS AWSS RELOCATION
1184N	RUFINO DE LEON	554-8245	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #12
1202N	LINDA LEONG	648-6882	NORTH POINT PLANT IMPROVEMENT, PHASE II
1203N	BIRGIT CHASE	554-8338	LYON/BAKER/WASHINGTON STREETS (SR)
1210N	PETER CHENG	554-8338	LARKIN STREET/GREENWICH STREET (SR)
1210N	IQBAL DHAPA	554-8337	FULTON STREET (SR)
1210W	PETER CHENG	554-8348	WESTSIDE ACTIVATION: SEWER CONSTRUCTION
1210N	CLIFF WONG	554-8336	MARKET, LARKIN, & HARRISION STS (SR)
1210N	PETER CHENG	554-8348	BUCHANAN, STEINER AND PIERCE STREETS SEWER REPLACEMENT
1272N	BHULA PATEL	554-8324	LYON, SACRAMENTO AND POST STREETS SEWER REPLACEMENT
1239W	WALLIS LEE	554-8344	RANKIN PUMP STATION SEWPCP 1 & 1A
1243E	RONALD CHENG	558-4049	MARINA SEAWALL AND ROADWAY IMPROVEMENT
1252N	PETER CHENG	554-8348	SHOTWELL STREET (SR & PR)
1253N	IQBAL DHAPA	554-8337	TWELFTH STREET (SR)
1155N	BHULA PATEL	554-8324	SAN JOSE AVENUE (SR)
1256N	BIRGIT CHASE	554-8338	21ST/22ND/23RD STREETS (SR)
1272N	STEVE BUI	554-8298	ILLINOIS/CESAR CHAVEZ (ARMY) STS. SEWER CONSTRUCTION
3180W	STEVE BUI	554-8298	YOSEMITE/EGBERT SEWER ENLARGEMENT PROJECT
6099Q	DEANNA CALLEROS	554-8266	MID EMBARCADERO PROJECT, REQUEST FOR UTILITY INFORMATION
6099Q	LAARNI CAMERINO	554-8266	EIGTH AVENUE SIDEWALK REPAIR
6497E	EDWARD CHIN	554-8411	THE NEW CHINATOWN PARK (SIDEWALK RECONST.)
6680E	ED CHOY	554-8284	ALEMANY BLVD. FROM CONGDON TO PUTNAM STS (PR)
7034E(A)	LAURIE LAU	558-4530	FILLMORE ST. OVERCROSSING AT GEARY EXPRESSWAY (SEIS. RET)
7034E(B)	LAURIE LAU	558-4530	WEBSTER ST. PEDESTRIAN OVERCROSSING AT GEARY EXPRESSWAY (SEIS. RET.)
7034E(C)	LAURIE LAU	558-4530	SEISMIC RETROFIT OF MARKET VIADUCT AT 24TH STREET
7094E	ANDREW SHUM	431-9430	VARIOUS LOCATIONS MOTORIZED VALVES CONTRACT #2
7094E	EDWARD CHIN	554-8411	HANG AH ALLEY RENOVATION
7130E(A)	LAURIE LAU	558-4530	PORTOLA DR. PEDESTRIAN OVERCROSSING AT KENSINGTON WAY (SEIS. RET)
7223E	RAMON KONG	558-4055	OAKDALE AVENUE BRIDGE REPLACEMENT
7226E	MR. RON FONG	554-8273	VARIOUS LOCATIONS: CONSTRUCTION OF CURB RAMPS/CUTS
7243E	MS. SU-SYIN CHOU	554-8350	MARKET ST. SIDEHILL VIADUCT #3 (SEIS. RET)
7243E	SAED TOLONI	554-8325	PEMBERTON STAIR RECONSTRUCTION
7261E	NAOKI KAKU	554-8946	VARIOUS LOCATIONS IN THE SUNSET DISTRICT (PR)
7291E	GREG S CRUZ	554-8268	VARIOUS LOCATIONS: HAIGHT-ASHBURY & MISSION DIST (PR)
7284E	RAMON KONG	554-8256	LOMBARD ST., MONTCLAIR TERR STREET IMPROVEMENT
7291E	RUFINO de LEON	554-8945	OCEAN, SAN JOSE AVES -JUNIPERRO SERRA BLVD (PR)
7291E	CLIFFORD WONG	554-8325	KIRKHAM ST. & 23rd AVE - PHASE 2 (SR)
7317E	ED CHOY	554-8284	CHURCH & DOLORES STREETS (PR)
7437E	JUN CARANTO	554-8304	HOWARD, FOLSOM, & HAWTHORNE STS (PR)
7458E	GREG S CRUZ	554-8268	CLAY ST, GOUGH TO DRUMM STS (PR)
7317E	STEVE BUI	554-8298	GOLDEN GATE PARK BOND PROJECTS
7522E	JOHNNY VILLASICA	554-8304	TAYLOR AND JONES STREETS (SR)

PROJECTS IN PROGRESS

revised 5/20/96:LOG.XLW

PROJECT #	NEAREST DUE DATE	A T & T		BCM		BSSM/BSUM		DPT		ENV. ENGR.		GTE/
		NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI
----N	08/14/95 - N	09/20/95	—	?	—	08/22/95		09/03/95	—	?		08/28/95
1004N	09/06/94 - N	08/16/94		08/15/94	—	?		08/15/94	—	?		08/22/94
1022N	1/30/95 - N	01/25/95		02/17/95				01/31/95				01/12/95
1036N	8/10/95 - N	09/20/95	—	?	—	07/20/95	—	08/14/95	—	?		07/24/95
1057N	01/05/96 - N	01/03/96	—	?	—	?	—	?	—	?		12/14/95
1083N	11/03/95 - N	11/14/95	—	?	—	?	—	10/30/95	—	?		10/20/95
1100N	01/08/96 - N	?	—	?	—	?	—	12/18/95	—	?		12/14/95
1108N	05/24/96 - T	11/14/95	?	?	?	?	?	?	?	05/01/96		10/23/95
1109N	06/26/95 - N	06/02/95	—	?	—	?	—	06/12/95	—	?	—	06/06/95
1133N	09/05/95 - N	09/20/95	—	?	—	?	—	08/09/95	—	?		08/15/95
1138N	07/24/95 - N	01/03/96	—	?	—	?	—	?	—	?	—	11/28/95
1148N	09/25/95 - N	09/20/95	—	?	—	?	—	09/27/95	—	?		09/20/95
1151N	09/05/95 - N	09/20/95	11/14/95	?	—	?	—	08/11/95	11/16/95	?		08/15/95
1155N	09/28/95 - N	09/20/95	—	?	—	?	—	09/19/95	—	?		10/10/95
1168N	10/11/95 - N	?	—	?	—	?	—	?	—	?		10/10/95
1184Nold	03/18/96 - N	03/22/96	—	?	—	?	—	03/06/96	—	?		03/01/96
1184N	06/10/96 - N	?	—	?	—	?	—	?	—	?		?
1185N	03/01/96 - N	02/23/96	—	?	—	?	—	02/13/96	—	?		02/15/96
1185N	10/30/95 - N	11/14/95	—	?	—	?	—	10/05/95	—	?		10/16/95
1185N	04/22/96 - N	04/04/96	—	?	—	?	—	?	—	?		04/03/96
1185N	05/10/96 - N	05/01/96	—	?	—	?	—	?	—	04/24/96		04/24/96
1202N	01/30/96 - N	?	—	?	—	?	—	?	—	?		01/31/96
1203N	11/22/95 - N	?	—	?	—	?	—	?	—	?		?
1203N	11/30/95 - N	11/14/95	—	?	—	?	—	?	—	?		11/16/95
1218N	03/15/95 - T	01/03/96	—	?	—	?	—	12/07/95	—	?		11/29/95
1239W	11/13/93 - N	?		?		?		10/22/93		?		11/09/93
1218N	03/29/96 - N	03/22/96	—	?	—	?	—	03/20/96	—	03/01/96		03/12/96
1218N	01/02/96 - N	02/06/96	—	?	—	?	—	12/07/95	—	?		12/11/95
1221N	01/02/96 - N	01/03/96	—	?	—	?	—	12/18/95	—	?	03/07/96	12/11/95
1239W	08/31/93 - N	08/23/93		03/29/94		?		03/30/94		?		08/27/93
1243E	04/12/96 - N	03/29/96	—	?	—	?	—	?	—	03/25/96		03/27/96
1262N	05/24/96 - N	05/01/96	—	?	—	?	—	05/01/96	—	05/01/96		05/03/96
1263N	04/07/96 - N	03/22/96	—	?	—	?	—	?	—	03/14/96		03/18/96
1255N	04/01/96 - N	03/22/96	—	?	—	?	—	?	—	03/07/96		03/18/96
1255N	04/01/96 - N	03/22/96	—	?	—	?	—	?	—	?		03/18/96
1272N	05/10/96 - N	05/01/96	—	?	—	?	—	04/22/96	—	04/24/96		05/01/96
3180W	02/28/96 - N	02/06/96	—	?	—	?	—	?	—	?		?
6094Q	04/11/96 - N	?	—	?	—	?	—	?	—	04/17/96		?
6094Q	05/16/96 - T	02/06/96	—	?	—	?	—	?	—	?		01/29/96
6497E	08/15/94 - N	07/26/94		?		?		08/02/94		?		07/21/94
6680E	04/22/96 - T	04/04/96	—		—		—		—	?		04/03/96
7034E(A)	12/08/95 - N	01/03/96	—	?	—	?	—	?	—	?		11/17/95
7034E(B)	12/08/95 - N	01/03/96	—	?	—	?	—	?	—	?		11/17/95
7034E(C)	04/01/96 - N	?	—	?	—	?	—	?	—	?		03/18/96
7090E	03/09/95 - N	03/02/95	—	?	—	?	—	03/21/95	—	?	—	02/23/95
7090E	02/24/95 - N	03/06/95	—	?	—	?	—	03/17/95	—	?	—	03/15/95
7130E(A)	12/08/95 - N	01/03/96	—	?	—	?	—	?	—	?		11/17/95
7223E	11/24/95 - N	11/28/95	—	?	—	?	—	?	—	?		11/16/95
7226E	09/16/94 - N	07/14/94		08/30/94	—	?		08/01/94	—	?		07/18/94
7243E	06/28/93 - N	?		06/10/93		06/09/93		?		?		06/07/93
7243E	07/23/93 - N	?		07/16/93		?		?		?		06/30/93
7261E	10/17/93 - N	?		?	—	?		?	—	?		09/28/93
7271E	05/07/94 - N	04/22/94		04/12/94	—	?		?	—	?		04/15/94
7294E	03/07/94 - N	?		02/11/94	—	?		02/24/94	—	?		?
7271E	07/23/93 - N	?		07/16/93		?		?		?		06/30/93
7294E	06/28/93 - N	?		06/09/93		?		?		?		06/07/93
7317E	04/22/96 - T	03/24/94	04/04/96	03/29/94		?		?		?		04/06/94
7437E	01/30/95 - N	01/23/95	—	?	—	?	—	01/25/95	—	?	—	01/12/95
7458E	05/25/94 - N	05/16/94		04/29/94		?		?		?		05/03/94
7519E	03/10/95 - N	02/28/95	—	?	—	?	—	?	—	?	—	03/01/95
7522E	09/12/94 - N	09/29/94	10/17/94	08/16/94		?		09/29/94		?		08/22/94

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PROJECTS IN PROGRESS

PROJECT #	RINT	HHWP/BLHP		HYDRAULICS		MCI METRO(ATS)		MECHANICAL	
	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
—N	—	?	—	?	—	09/20/95	—	?	—
1004N	—	08/16/94		08/10/94		08/15/94		08/09/94	
1022N	04/04/95			01/09/95	04/04/95	02/22/95	04/28/95	01/04/95	03/30/95
1036N	—	?	—	08/09/95	—	09/08/95	—	07/12/95	—
1057N	—	?	—	?	—	02/16/96	—	12/11/95	—
1083N	—	11/06/95	—	10/12/95	—	?	—	10/10/95	—
1100N	—	05/14/96	—	?	—	02/16/96	—	12/11/95	—
1108N	05/03/96	?	?	?	?	02/01/96	?	?	05/06/96
1109N	—	05/24/95	—	?	—	?	—	05/25/95	—
1133N	—	?	—	08/10/95	—	09/20/95	—	08/14/95	—
1138N	—	?	—	?	—	02/07/96	—	11/17/95	—
1148N	—	?	—	?	—	?	—	09/01/95	—
1151N	11/16/95	?	—	?	—	09/20/95	—	08/14/95	11/13/95
1155N	—	09/07/95	—	?	—	?	—	09/01/95	—
1168N	—	09/12/95	—	?	—	?	—	09/19/95	—
1184Nold	—	?	—	02/22/96	—	?	—	03/29/96	—
1184N	—	?	—	?	—	?	—	05/17/96	—
1185N	—	02/28/96	—	02/08/96	—	02/26/96	—	02/06/96	—
1188N	—	?	—	?	—	02/07/96	—	10/05/95	—
1195N	—	04/23/96	—	04/10/96	—	05/06/96	—	?	—
1198N	—	?	—	05/20/96	—	?	—	04/18/96	—
1202N	—	01/29/96	—	01/16/96	—	?	—	?	—
1203N	02/12/96	?	—	?	—		03/05/96	?	01/31/96
1209N	—	?	—	?	—	02/01/96	—	?	—
1210N	03/01/96	?	02/28/96	?	—	?	02/09/96	11/22/95	03/27/96
1210W		10/20/93		?		11/01/93		10/20/93	
1218N	—	?	—	?	—	?	—	03/14/96	—
1219N	—	?	—	?	—	02/16/96	—	12/08/95	—
1221N	03/18/96	?	—	?	—	02/01/96	04/23/96	12/08/95	03/11/96
1239W		08/24/93		?		08/27/93		?	
1243E	—	?	—	03/19/96	—	04/23/96	—	03/27/96	—
1252N	—	05/02/96	—	?	—	?	—	05/06/96	—
1253N	—	?	—	?	—	?	—	03/27/96	—
1255N	—	?	—	?	—	04/23/96	—	03/11/96	—
1256N	—	?	—	?	—	?	—	03/11/96	—
1272N	—	?	—	?	—	04/23/96	—	04/19/96	—
3180W	—	02/27/96	—	?	—	?	—	02/21/96	—
6094Q	—	04/10/96	—	?	—	?	—	?	—
6099Q	05/03/96	02/09/96	—	?	05/06/96	?	—	01/22/96	—
6497E		?		?		08/01/94		08/01/94	
6680E	—		—	04/10/96	—		—	04/03/96	—
7034E(A)	—	12/06/95	—	?	—	02/15/96	—	11/20/95	—
7034E(B)	—	12/06/95	—	?	—	02/16/96	—	11/20/95	—
7034E(C)	—	?	—	03/06/96	—	04/23/96	—	03/11/96	—
7090E	—	?	—	02/16/95	—	?	—	?	—
7094E	—	?	—	03/01/95	—	03/13/94	—	03/01/95	—
7130E(A)	—	12/06/95	—	?	—	02/01/96	—	11/20/95	—
7223E	—	?	—	?	—	02/01/96	—	11/13/95	—
7226E	—	09/20/94		07/27/94		07/25/94		?	
7233E		06/10/93		06/10/93		08/05/93		06/01/93	
7243E		07/22/93		?		07/06/93		?	
7261E	—	?		?		10/15/93		09/22/93	
7271E	—	05/03/94		04/13/94		05/03/94		04/08/94	
7284E	—	?		02/09/94		03/08/94		02/09/94	
7291E		08/09/93		?		07/06/93		07/12/93	
7294E		06/10/93		?		06/04/93		06/16/93	
7317E	04/03/96	05/03/94		03/21/94	04/11/96	04/06/94		03/16/94	04/03/96
7437E	—	?	—	01/09/95	—	02/21/95	—	01/03/95	—
7458E		05/03/94		?		05/27/94		04/27/94	
7519E	—	?	—	?	—	02/27/95	—	02/22/95	—
7522E	10/21/94	?		?		09/25/94	11/08/94	08/23/94	10/26/94

PROJECTS IN PROGRESS

revised 5/20/96:LOG.XLW

PROJECT #	METRO FIBER SYS		MUNI		PAC BELL		P G & E GAS		P G & E ELEC	
	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
——N	08/31/95		08/31/95		09/12/95					
1004N	08/23/94		08/08/94		08/12/94		09/16/94		09/16/94	
1022N		05/03/95	01/05/95	04/04/95	01/31/95	04/04/95	01/17/95	04/28/95	01/17/95	04/28/95
1036N	08/31/95	—	07/13/95	—	07/24/95	—	08/08/95	—	08/08/95	—
1057N	12/21/95	—	12/11/95	—	01/05/96	—	01/08/96	—	01/03/96	—
1083N	?	—	10/12/95	—	10/13/95	—	10/11/95	—	12/14/95	—
1100N	12/21/95	—	12/11/95	—	12/28/95	—	01/05/96	—	01/03/96	—
1108N	12/21/95	?	10/18/95	05/13/96	11/21/95	?	10/24/95	?	?	?
1109N	06/12/95	—	05/30/95	—	06/01/95	—	?	—	?	—
1133N	08/31/95	—	08/10/95	—	08/22/95	—	10/02/95	—	10/02/95	—
1138N	12/21/95	—	11/15/95	—	?	—	?	—	11/22/95	—
1148N	08/31/95	—	09/01/95	—	09/01/95	—	12/14/95	—	?	—
1151N	08/31/95	12/21/95	08/10/95	11/03/95	08/28/95	—	?	—	?	—
1155N	08/31/95	—	09/01/95	—	09/12/95	—	10/03/95	—	10/09/95	—
1168N	09/29/95	—	?	—	10/03/95	—	?	—	?	—
1184Nold	?	—	03/01/96	—	02/26/96	—	?	—	03/14/96	—
1184N	?	—	?	—	?	—	?	—	?	—
1185N	?	—	02/07/96	—	02/15/96	—	04/26/96	—	?	—
1188N	12/21/95	—	10/05/95	—	10/24/95	—	10/05/95	—	10/12/95	—
1195N	?	—	?	—	04/04/96	—	?	—	?	—
1198N	?	—	05/13/96	—	04/23/96	—	?	—	?	—
1202N	?	—	01/18/96	—	02/02/96	—	01/31/96	—	02/02/96	—
1203N	?	—	02/01/96	—	?	02/26/96	?	03/28/96	?	—
1209N	12/21/95	—	11/06/95	—	11/16/95	—	11/10/95	—	11/22/95	—
1210N	12/21/95	—	11/22/95	02/21/96	12/04/95	02/28/96	12/06/95	—	11/28/95	05/17/96
1210W	—		10/18/93		?		05/26/94		05/26/94	
1218N	?	—	03/14/96	—	03/18/96	—	05/17/96	—	?	05/17/96
1219N	12/21/95	—	12/08/95	—	12/18/95	—	01/03/96	—	01/03/96	—
1221N	12/21/95	—	12/08/95	03/14/96	12/18/95	03/22/96	01/03/96	04/30/96	01/03/96	04/30/96
1239W	—		08/20/93		09/14/93		09/28/93		11/15/93	
1243E	?	—	04/15/96	—	03/25/96	—	?	—	?	—
1252N	?	—	05/13/96	—	05/02/96	—	05/17/96	—	?	—
1253N	?	—	03/14/96	—	03/18/96	—	03/22/96	—	?	—
1255N	?	—	03/14/96	—	03/18/96	—	04/30/96	—	03/22/96	—
1256N	?	—	03/14/96	—	03/18/96	—	?	—	03/29/96	—
1272N	?	—	?	—	04/23/96	—	?	—	?	—
3180W	?	—	01/29/96	02/21/96	02/26/96	—	?	—	02/22/96	—
6094Q	?	—	?	—	?	—	?	—	?	—
6099Q	?	—	01/25/96	—	02/02/96	05/02/96	01/31/96	—	02/02/96	—
6497E	07/21/94		07/27/94		07/26/94		?		07/27/94	
6680E		—		—	04/04/96	—		—		—
7034E(A)	12/21/95	—	11/15/95	—	11/16/95	—	?	—	?	—
7034E(B)	12/21/95	—	11/17/95	—	11/16/95	—	?	—	?	—
7034E(C)	?	—	03/14/96	—	03/18/96	—	?	—	?	—
7090E	02/17/95	—	02/21/95	—	03/02/95	—	03/02/95	—	03/02/95	—
7094E	05/03/95	—	03/03/95	—	03/09/95	—	03/28/95	—	03/28/95	—
7130E(A)	12/21/95	—	11/17/95	—	11/20/95	—	?	—	10/01/95	—
7223E	12/21/95	—	11/03/95	—	?	—	?	—	?	—
7226E	07/21/94		07/11/94		08/12/94		?		?	
7233E	—		06/01/93		?		?		?	
7243E	—		06/28/93		?		?		?	
7261E	—		09/23/93		?		02/23/94		11/22/93	
7271E	?		04/29/94		05/04/94		05/26/94		05/26/94	
7284E	—		?		06/17/94		03/14/94		03/14/94	
7291E	—		06/28/93		?		?		?	
7294E	—		06/15/93		?		09/27/93		06/25/93	
7317E	?		03/17/94		04/07/94	04/04/96	04/01/94	04/18/96	06/15/94	04/19/96
7437E	?	—	01/05/95	—	01/23/95	—	02/09/95	—	02/09/95	—
7458E	?		04/29/94		05/26/94		06/15/94		06/15/94	
7519E	?	—	02/27/95	—	03/16/95	—	?	—	?	—
7522E	08/23/94	10/18/94	08/16/94	10/12/94	?	11/01/94	?	11/02/94	?	12/01/94

PROJECTS IN PROGRESS

PROJECT #	PROJ DEV.		SF FIRE		SFWD		SF THERMAL		STRUCTURAL	
	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
——N	08/14/95		?		?	—	08/17/95		08/18/95	
1004N	09/16/94		?		?	—	08/29/94		08/05/94	
1022N	01/26/95	04/28/95					03/10/95	04/05/95	01/04/95	04/06/95
1036N	07/20/95	—	?	—	?	—	07/25/95	—	07/31/95	—
1057N	12/08/95	—	?	—	?	—	12/20/95	—	12/18/95	—
1083N	10/10/96	—	?	—	?	—	10/10/95	—	10/05/95	—
1100N	12/08/95	—	?	—	01/03/96	—	12/20/95	—	12/18/95	—
1108N	11/06/95	05/06/96	?	?	?	?	10/17/95	05/06/96	10/16/95	05/01/96
1109N	05/24/95	—	?	—	06/12/95	—	?	—	06/22/95	—
1133N	08/02/95	—	?	—	?	—	08/11/95	—	08/09/95	—
1138N	11/15/95	—	?	—	?	—	11/20/95	—	11/16/95	—
1148N	09/12/95	—	?	—	?	—	09/01/95	—	09/01/95	—
1151N	10/04/95	10/30/95	?	—	?	—	?	—	08/14/95	10/30/95
1155N	08/29/95	—	?	—	?	—	09/05/95	—	09/01/95	—
1168N	09/26/95	—	?	—	09/19/95	—	09/15/95	—	?	—
1184Nold	03/18/96	—	?	—	?	—	?	—	02/22/96	—
1184N	05/15/96	—	?	—	?	—	?	—	?	—
1185N	01/29/96	—	?	—	?	—	02/08/96	—	02/12/96	—
1188N	10/10/95	—	?	—	10/11/95	—	10/10/95	—	10/03/95	—
1195N	04/16/96	—	?	—	04/09/96	—	04/11/96	—	03/29/96	—
1198N	04/18/96	—	?	—	?	—	05/06/96	—	04/18/96	—
1202N	01/18/96	—	?	—	01/19/96	—	01/16/96	—	01/17/96	—
1203N	01/31/96	—	?	—	?	—	?	02/02/96	02/01/96	—
1209N	11/02/95	—	?	—	11/08/95	—	11/07/95	—	11/02/95	—
1210N	11/22/95	02/22/96	?	—	11/27/95	—	?	02/21/96	11/20/95	02/22/96
1210W	?		11/05/93		10/20/93		—		?	
1218N	03/18/96	—	?	—	?	—	?	—	03/05/96	—
1219N	12/07/95	—	?	—	12/11/95	—	12/11/95	—	12/06/95	—
1221N	12/07/95	03/25/96	?	—	12/11/95	—	?	03/07/96	12/06/95	03/06/96
1239W	?		09/17/93		09/14/93		—		?	
1243E	04/02/96	—	?	—		—	03/25/96	—	03/22/96	—
1252N	05/09/96	—	?	—	05/02/96	—	05/06/96	—	05/01/96	—
1253N	04/08/96	—	?	—	03/12/96	—	03/25/96	—	03/11/96	—
1255N	03/25/96	—	?	—	03/11/96	—	03/07/96	—	03/06/96	—
1256N	03/25/96	—	?	—	03/07/96	—	?	—	03/06/96	—
1272N	04/18/96	—	?	—	04/18/96	—	04/17/96	—	04/17/96	—
3180W	03/07/96		?	—	01/31/96	—	01/26/96	—	02/22/96	
6094Q	?	—	?	—	?	—	?	—	?	—
6099Q	01/29/96	04/30/96	?	—	?	—	02/02/96	05/06/96	01/23/96	05/01/96
6497E	08/11/94		?		08/01/94		07/18/94		?	
6680E	04/16/96	03/25/96		—		—		—		03/29/96
7034E(A)	11/14/95	—	?	—	?	—	?	—	11/16/95	—
7034E(B)	11/14/95	—	?	—	?	—	?	—	11/16/95	—
7034E(C)	03/25/96	—	?	—	03/11/96	—	?	—	03/06/96	—
7090E	02/13/95	—	?	—	?	—	02/23/95	—	02/13/95	—
7094E	?	—	?	—	?	—	03/06/95	—	02/28/95	—
7130E(A)	11/22/95	—	?	—	?	—	?	—	11/16/95	—
7223E	11/02/95	—	?	—	?	—	?	—	10/30/95	—
7226E	07/11/94		?		?	—	09/20/94		09/29/94	
7233E	06/09/94		?		?		—		?	
7243E	?		?		08/03/93		—		?	
7261E	10/15/93		10/07/93		?	—	—		?	
7271E	04/11/94		?		?	—	04/25/94		?	
7284E	?		?		?	—	—		?	
7291E	?		07/19/93		?		—		?	
7294E	?		?		06/03/93		—		?	
7317E	09/21/95	04/03/96	?		?		03/21/94	04/11/96	?	03/29/96
7437E	01/12/95	—	?	—	?	—	?	—	01/04/95	—
7458E	05/04/94		?		?		05/16/94		?	
7519E	02/28/95	—	?	—	02/27/95	—	02/22/95	—	02/23/95	—
7522E	09/01/94	10/17/94	?		08/25/94		08/17/94	10/13/94	?	10/07/94

PROJECTS IN PROGRESS

revised 5/22/96:LOG.XLW

PROJECT #	TELEPORT COMM		UEB		VIACOM	
	NOI	LOT	NOI	LOT	NOI	LOT
-----N	08/23/95				09/08/95	
1004N	08/22/94		08/15/94		08/26/94	
1022N	01/09/95		01/05/95		01/30/95	04/12/95
1036N	07/17/95	---	?	---	07/24/95	---
1057N	12/27/95	---	?	---	12/15/95	---
1083N	10/12/95	---	?	---	11/02/95	---
1100N	12/27/95	---	?	---	12/20/95	---
1108N	10/19/95	?	?	?	11/09/95	05/09/96
1109N	05/25/95	---	?	---	06/14/95	---
1133N	08/14/95	---	?	---	09/01/95	---
1138N	12/27/95	---	?	---	?	---
1148N	?	---	?	---	09/08/95	---
1151N	08/14/95	10/31/95	?	---	09/01/95	11/09/95
1155N	?	---	?	---	09/08/95	---
1168N	09/19/95	---	?	---	10/06/95	---
1184Nold	03/27/96	---	?	---	03/11/96	---
1184N	?	---	?	---	?	---
1185N	02/26/96	---	?	---	03/07/96	---
1188N	10/05/95	---	?	---	11/01/95	---
1195N	?	---	?	---	04/10/96	---
1198N	?	---	?	---	05/02/96	---
1202N	?	---	?	---	02/06/96	---
1203N	?	03/27/96	?	---		02/28/96
1209N	11/07/95	---	?	---	11/14/95	---
1210N	12/27/95	03/27/96	?	---	?	03/11/96
1210W	---		10/27/93		?	
1218N	03/27/96	---	?	---	03/07/96	---
1219N	12/13/95	---	?	---	12/19/95	---
1221N	12/13/95	03/27/96	?	---	12/15/95	03/22/96
1239W	---		09/27/93		09/10/93	
1243E	03/27/96	---	?	---	03/21/96	---
1252N	?	---	?	---	05/14/96	---
1253N	03/27/96	---	?	---	03/22/96	---
1255N	03/27/96	---	?	---	?	---
1256N	03/27/96	---	?	---	03/20/96	---
1272N	?	---	?	---	04/23/96	---
3180W	03/27/96	---	?	---	03/11/96	
6094Q	?	---	?	---	04/10/96	---
6099Q	01/25/96	---	?	---	02/06/96	05/09/96
6497E	?		07/26/94		?	
6680E		---		---	04/10/96	---
7034E(A)	12/27/95	---	?	---	11/20/95	---
7034E(B)	12/15/95	---	?	---	11/17/95	---
7034E(C)	03/27/96	---	?	---	03/20/96	---
7090E	03/08/95	---	?	---	03/07/95	---
7094E	03/08/95	---	?	---	03/02/95	---
7130E(A)	12/15/95	---	?	---	11/20/95	---
7223E	10/31/95	---	?	---	11/09/95	---
7226E	07/27/94		07/08/94		?	
7233E	---		?		?	
7243E	---		07/12/93		09/10/93	
7261E	---		09/27/93		10/20/93	
7271E	04/25/94		04/11/94		05/10/94	
7284E	---		02/09/94		03/31/94	
7291E	---		07/12/93		?	
7294E	---		?		?	
7317E	04/14/94		03/22/94		03/31/94	04/10/96
7437E	03/08/95	---	01/05/95	---	02/02/95	---
7458E	?		05/13/94		05/10/94	
7519E	03/08/95	---	?	---	03/07/95	---
7522E	08/22/94	10/20/94	?		08/26/94	11/10/94

Legend:

(FC) - FLOOD CONTROL
(SR) - SEWER REPLACEMENT
(PR) - PAVEMENT RENOVATION
(*) - SEE FILE FOR MORE INFORMATION
(N OR NOI) - LETTER OF NOTICE OF INTENT AND REQUEST FOR INFORMATION
(T OR LOT) - LETTER OF TRANSMITTAL OF FINAL PRELIMINARY PLANS
(?) - INDICATES NO RESPONSE WAS
(---) - INDICATES NO RESPONSE IS NECESSARY

5-YEAR SEWER REPLACEMENT PRIORITY LIST

JOB SEW	NO. S & H	LEAD	SCHED CONST YEAR	STREET	FROM	TO	YEAR CONST		SIZE	MAT	REVIEWER'S COMMENTS	TYPE PAVE	PROP'D PAVE DATE	PRIORITY POINTS	PROJ. COST (000)
	SEW = SEWER											MF = Mill & Fill			
S&H = STREETS AND HIGHWAYS								? = Exact year of construction not known				OL = Overlay			
	CON = CONFLICT							= New or revised project				RE = Reconstruction			
								= Under construction				JP = Joint Project			
	EMERGENCY PROJECTS														
1096N	7437E	SEW	1996	Folsom	4th St	Mabini	1880		3x5	BRICK	Bad shape (120')	MF	8/96		196
1271N		SEW	1996	Hyde	Ellis	O'Farrell	1880	?	3x5	BRICK	Caved in section, missing bricks & mortar			99	202
1064N		SEW	1996	Secremento	Grant	Stockton	1880	?	3x5	BRICK	Bad shepe; missing & loose bricks			96	267
1295N		SEW	1996	Broadway	Columbus	Stockton	1876		3x5	BRICK	Bed shape, caved in			110	356
1279N		SEW	1996	23rd Ave	California	Clement	1930		2'4"x3'6	BRICK	Sand infiltration, missing bricks and mortar			98	245
1259N		SEW	1996	Julian	15th St	16th St	1889		3x5	BRICK	Caved in, missing brick & mortar			95	110
1274N		SEW	1996	Esmt Block #5862	Sweeny	West View	1939		12"	VCP	Cracks, @84-9', 100-20' b-c, liner recommended			95	60
1288N		SEW	1996	South Hill	Chicago	Winding	1915	?	24"	SRCP	Cracked and collapsed sections			104	114
1300N		SEW	1996	Trenton	Pacific	Jackson		?	3x5	BRICK	Bad shape, caved in			110	167
													EMERGENCY TOTAL =		$1,717
		PRIORITY 1:Severely collapsed/crushed sewers recommended for immediate replacement													
1147N		SEW	1996	Montgomery	Chestnut	Francisco	1911	?	15"	VCP	Collapsed To Mh #3			112	103
1147N		SEW	1996	Kearny	Vallejo	Green	1900	?	15/12"	CP/VCP	Collapsed sections, extensive 3pt cracks on CP	MF		109	99
1147N		SEW	1996	Sansome	Union	Filbert	1911		12"	VCP	Cracks, collapsed	MF		96	80
1221N	1083N	SEW	1996	Lyon	Bush	Sutter	1890		16"	ISP	Cracks, offsets, collapsed sections	MF	9/97	125	99
1023N		SEW	1996	Day	Dolores	Church	1889		18"	ISP	Over 165' of broken pipe (TV'd 4 runs)	MF		122	163
1023N		SEW	1996	Dolores	30th St	Day	1885		16"	VCP	Severe cracks, crushed sections	MF		113	92
1155N		SEW	1996	Chestnut	Culebra	Polk	1913		12"	ISP	Numerous Cracks, Collapsed Pipe			108	68
1218N			1996	Market	9th	10th	1878		3X5	BRICK	Ready to collapse			113	353
1218N	....N		1996	Larkin	Golden Gate	McAllister	1878		18"	VCP	Collapsed, continuous cracks	MF		123	109
1276N	1057N	S&H	1996	Upper Terrace	End, Circle	Cliffford Ter	1906	?	8"	VCP	Cracks, crushed sections	MF/JP	6/96	105	223
1219N		SEW	1996	Buchanan	Broadway	Vallejo	1889		16"	VCP	Severe cracks & collapse			100	110
7474E		Hold	1996/7	Pine	Battery	Front	1907		18"	ISP	Collapsed, Cracks	MF		118	53
			1996	7th St	Howard	Natoma	1907		3'6"x5'3	BRICK	8roken s/s & c/b; collapsed wall			104	407
			1996	Cesar Chavez (Army	Bryant	York		?	12"	VCP	Many cracks and collapsed sections			108	43
			1996	Esmt Block #2974	Casltas	Lansdale	1938		15"	VCP	Ready to collapse, replece mhA to mhB			105	8
			1997	Folsom	8essie	Stoneman	1890	?	16"	VCP	Offsets, many cracks/depressions, invert erosion			104	184
										NOTE: Projects with estimates rounded to 100k have not been finalized and will be revised after sizing.					
													PRIORITY 1 TOTAL =		$2,194
		PRIORITY 2: Severely cracked/crushed sewers to be replaced on a normal contract schedule.													
1096N		SEW	1996	4th St	Folsom	Perry	1880	?	3x5	BRICK	8ad shape; loose bricks, settlement	MF	6/96	105	290
1122N	1022N	S&H	1996	Haight	Shrader	Cole	1890	?	14"	VCP	Debris, collapsed & cracked pipe	MF/JP	2/96	101	125
1082N	7433E	S&H	1996	Collingwood	20th St	19th St	1885		12"	VCP	Ready to collapse @ 45-8' c-d	RE/JP	12/95	80	149
1138N	BSSR	SEW	1996	Randall	Whitney	Chenery	?		12"	VCP	Many severe cracks 75-80' & 95-120'	MF/JP		80	165
1138N	BSSR	SEW	1996	Fairmount	Whitney	Chenery	1926		12"	VCP	Open joint, collapsed sections	MF	2/96	100	165
1166N		SEW	1996	20th St	Sanchez MB	Noe	1907		8"	ISP	Cracks, replece c-d w/st. reconstruction	RE	8/95	90	160
1166N		SEW	1996	Church	20th St	Cumberland	1900	?	15"	VCP	Severe cracks, collapsed pipe	MF		100	182
1068N	7455E	S&H	1996	Florida	22nd St.	21st St.	1888	?	16"	ISP	200' of collapsed and cracked pipe	MF/JP	5/96	113	195
1068N	7455E	S&H	1996	Florida	26th St	Army	1889		12"	ISP	Many cracked sections	MF/JP	5/96	93	70
1125N	7466E	S&H	1996	Sanchez	26th St	Clipper	1885		18"	ISP	Collapsed	MF/JP	5/96	112	95
1125N	7466E	S&H	1996	Sanchez	26th St	Army	1885		18"	ISP	Many cracks, TV'd half block(camera stuck)	MF/JP	5/96	98	95
1125N	7466E	S&H	1996	Sanchez	27th St	Army	1889		18"	ISP	Many severely cracked sections	MF/JP	5/96	106	90
1152N	1050N	S&H	1996	Fillmore	Broadway	Vallejo	1889		12"	VCP	Many offsets, cracks & open joints	RE/JP	9/96	95	95
1023N	BSSR	SEW	1996	Dolores	Duncan	27th St	1907		18"	VCP	Severe cracks	MF		93	105
		SEW	1996	Alemany	Prentiss	Putnam		?	12"	VCP	Badly crushed pipe	MF	5/96	101	110
1203N	1083N	SEW	1996	Lyon	Washington	Clay	1889		14"	VCP	Roots, cracks, eroded invert	MF	9/97	104	90
1203N		SEW	1996	Baker	Pacific	Jackson	1889	?	14"	VCP	8ad cracks, crushed sections			100	90
1203N		SEW	1996	Washington	8aker	Broderick	1889		14"	VCP	Dip, cracks @213-239', invert eroded			98	130
1210N	BSSR	SEW	1996	Fulton	Filmore M8	Webster	1892		16"	ISP	Several severe cracks	MF		94	80
1210N	BSSR	SEW	1996	Fulton	Webster	8uchanan	1875		3X5	8RICK	Fairly bad shape, dirt, bulging	MF		100	306

PRIORITY POINTS = Points for Hydraulic inadq., structurel inadq., proposed paving etc.
100 + = High priority 80-100 = Normal priority 80- = Lower priority

1 PROJPRI.XLS 5/22/96

5-YEAR SEWER REPLACEMENT PRIORITY LIST

JOB SEW	NO. S & H	LEAD	SCHED CONST YEAR	STREET	FROM	TO	YEAR CONST		SIZE	MAT	REVIEWER'S COMMENTS	TYPE PAVE	PROP'D PAVE DATE	PRIORITY POINTS	PROJ. COST (000)
1210N	BSSR	SEW	1996	Fulton	Buchanan	Laguna	1875		3X5	BRICK	Bad shape, dirt, bulging	MF		105	286
1209N		SEW	1996	Larkin	Green	Greenwich	1900	?	18"	VCP	Cracks, crushed, offsets	MF		100	320
1209N		SEW	1996	Larkin	Vallejo	Green	1900	?	15"	VCP	Cracks, crushed, offsets	MF		96	423
1209N		SEW	1996	Greenwich	Larkin	Polk	1904	?	12"	VCP	Cracks, collapsed sections			94	138
	7181E	S&H	1996	Holladay	York	Rutledge MB	1916		12"	VCP	Cracks, collapse	MF/JP	7/96	103	187
		SEW	1996	Dolores	28th St	Valley	1885	?	18"	VCP	Crushed and multiple cracks	MF		102	89
														Total 95-96 =	$4,230
1241N		SEW	1996	El Mirasol	Crestlake	Sloat					New sewer construction project			105	150
1219N	....N		1996	Steiner	Broadway	Green	1889		18"	VCP	Crushed section, cracks, offset joints			93	235
1218N	BSSR		1996	Harrison	5th St	Morris	1935		12/18/21	VCP	Severe cracks, severe dips/debris restrict flow	MF		94	230
1218N	....N		1996	Larkin	Grove	Hayes	1915		18"	VCP	TV'd 190', collapsed, dip, debris			95	92
1221N	....N		1996	Post	Laguna	Buchanan	1900	?	16"	ISP/CP	Inv. hole @132'?, worn invert, cracks	MF		94	140
1221N	....N		1996	Sacramento	Locust	Spruce	1890	?	8"	ISP	Collapsed pipe, offset joints, & dips	MF		99	119
1255N	BSSR		1996	San Jose	24th St	25th St	1889	?	15"	VCP	Many cracked & crushed sections	MF		104	170
1253N	1091N	SEW	1996	12th St	Folsom	Harrison	1875		3'X5'	BRICK	Bad shape, missing bricks, broken ss	TR/JP	6/97	101	370
1256N		SEW	1996	23rd St.	Capp	S. Van Ness MB	1876		18"	CEM	Cement pipe, breaks, cracks			99	69
1256N	....N	SEW	1996	22nd Street	Bartlett	Mission	1890		15"/8"	CP/VCP	Many severe cracks	MF		97	85
1256N		SEW	1996	21st St.	Bartlet	Mission	1887		18"	ISP	3 areas of severe cracks/collapse, cracks			101	107
1252N	....N		1996	Shotwell	22nd St	23rd St	1889	?	12"	VCP	Offsets,dip, severe cracks	MF/JP		93	145
1252N	. ..N		1996	Shotwell	24th St	23rd St	1889		12"	VCP	Open joints, crushed section, dip debris	MF/JP		104	150
1254N	....N		1996	11th St	Folsom	Harrison	1880	?	3x5	BRICK	Bad shape; missing & loose bricks			104	360
	....N	SEW	1997	Leavenworth	Greenwich	Lombard	1890	?	16"	VCP	Crushed Pipe, Numerous Cracks			103	110
	....N		1997	Valencia	15th	16th	1890	?	3X5	BRICK	Bad shape, collapsed @ 447 Valencia			109	418
	....N		1997	Victoria	Randolph	Brotherhood	1920	?	12"	ISP	Open break @112-115', cont. cracks, mh b-c			100	160
	....N		1997	Clarence	Townsend	End; N		?	24"	VCP	Severe cracked sections, ready to collapse			99	90
			1997	Bryant	7th St	Gilbert	1876	?	3x5	BRICK	Bad shape, cracks on crown, ready to cave in	MF		102	119
			1997	Sacramento	Grant	Kearny	1880	?	3x5	BRICK	Bad shape; missing & loose bricks			92	274
			1997	Larkin	Pine	Bush	1875	?	3x5	BRICK	Bad shape, many loose bricks			101	208
	....N		1997	Ord St.	Corbett	Market	1900	?	15"	VCP	Cracks, cracked invert, severe offsets	MF		101	43
			1997	California	Webster	Buchanan	1880	?	15"	CEM	Offsets, hole @ 104', open joints, st depressions			90	142
7474E		Hold	1997	California	Laguna	Buchanan	1876	?	16"	CEM	TV'd 35', Collapsed			96	323
7474E		Hold	1997	1st St(Delancy St.)	Brannan	Townsend	?		12"/15"	VCP	Collapsed sections			82	207
			1997	Esmt blk #4315/16	Minnesota	3rd St	1949		12"	VCP	Several severe cracks & collapses			80	145
		SEW	1997	Esmt Block #4317	Indiana	Minnesota	1949		12"	VCP	Severe multiple cracks			85	74
	6094Q	S&H	1997	Davis	Clay	Washington	1878	?	3'x5'	BRICK	Bad shape, debris, missing bricks & mortar	RE/JP	3/97	85	167
			1997	23rd St	Castro	Diamond	1888	?	15"	VCP	Severe cracks @ 25-70', heavy debris, dip	MF		98	180
	BSSR		1997	Douglass	25th St.	Jersey	1879		15"	VCP	Many cracked sections	MF		104	95
	....N		1997	22nd St	Bryant	Florida	1879		16"	VCP	Crushed sections			100	80
														Total 96-97	$5,257
			1997	Rankin	Davidson	Evans		?	18"	?	Ready to collapse (TV'd 20' due to grout) no log sheet			90	110
	....N		1997	8th St	Market	Hyde/Grove	?		15"	VCP	Cracked sects. replace (a-b) across Market			99	50
	....N		1997	Turk	Broderick	Divisadero	1881		16"	ISP	Cracks, collapsed section			99	152
	....N		1997	Broadway	Powell	Stockton	1876		3'x5'	BRICK	Bad shape, out of round, sagging, loose bricks			97	270
	....N		1997	Pacific	Jones	Taylor	1876		3x5	BRICK	Bad shape; missing & loose bricks		Done 11/93	100	280
	....N		1997	Pacific	Powell	Stockton	1876		3'X5'	BRICK	Out of round, loose bricks, plaster			94	280
	....N		1997	Pacific	Mason	Powell	1876		3'x5'	BRICK	Bad shape 1/2, fairly bad shape 1/2			87	280
	BSSR		1997	Deming	Clayton MB	Uranus	1920		12"	ISP	Ready to collapse	MF		98	51
	BSSR		1997	Sutter	Octavia	Gough	1875		12"/16"	VCP/CP	Many severe cracks, abandoned? (no video!)	MF		96	150
	1005N	S&H	1997	O'Shaughnessy	Portola	Del Vale MB	1939		15"	VCP	Badly cracked, no tv log, sewer lining recommended	MF	1/96	96	70
	BSSR		1997	Marston	Circular	Edna	1910		8"	ISP	Many severe cracks	MF		95	114
	....N		1998	Sutter	Kearny	Intersection	1876	?	3x5	BRICK	Intersec. in bad shape, rest is in fair shape			90	50
			1998	Kearny	Sutter	Bush	1890	?	3x5	BRICK	Fairly bad shape, loose bricks			97	208
	....N		1998	Harrison	08th St	07th St	1880	?	3'x5'	BRICK	Missing mortar, loose bricks, out of round			95	550
	....N		1998	Harper	Randall	30th St	1926		15"	ISP	Cracks, dip, break?-replace w/st reconstruction	RE		95	196
														Total 97-98 =	$2,811
	BSSR		1998	Francisco	Stockton	Powell	1876	?	3'x5'	BRICK	Bad shape 1/2, fairly bad shape 1/2	MF		95	290

100 + = High priority 80-100 = Normal priority 80- = Lower priority

5-YEAR SEWER REPLACEMENT PRIORITY LIST

JOB SEW	NO. S & H	LEAD	SCHED CONST YEAR	STREET	FROM	TO	YEAR CONST		SIZE	MAT	REVIEWER'S COMMENTS	TYPE PAVE	PROP'D PAVE DATE	PRIORITY POINTS	PROJ. COST (000)
			1998	Post	Grant	Kearny	1880	?	3x5	BRICK	Bad shape, missing & loose bricks			87	274
			1998	Post	Broderick	Baker	1900		18"	VCP	Joints open throughout, open ss, sand infiltration			95	162
			1999	Stonestown Trestle Removal							Trestle is an attractive nuisance			N/A	286
			1999	Chinatown Alleys(3)											150
	....N		1999	Golden Gate	Scott MB	Pierce	1875		14"	ISP/CP	Cement pipe sections, badly cracked			93	80
	....N		1999	8th Ave.	Fulton	Cabrillo	1907	?	8"	VCP	Numerous cracked sections, collapse			92	168
	....N		1999	Rincon	Bay Bridge	Bryant	1917	?	12"	VCP	Collapsed			95	70
	....N		1999	Sutter	Montgomery	Intersection	1876	?	3x5	BRICK	Intersection in bad shape			90	50
														Total 98-99 =	$1,530
	....N		1999	Eddy	Pierce	Steiner	1875		3x5	BRICK	Bad shape (50'), rest needs plastering			89	280
	....N		1999	Sacramento	Sansome	Battery	1908		12"	ISP	Many cracks, crush @ 54-80, 116-49', debris	MF		90	80
			1999	26th St	Dolores	Church	1885		15"	VCP	Many medium & minor cracks, severe grout	MF		93	205
	....N		1999	Union	Divisadero	Broderick	1885	?	8"/12"	VCP	Cracks/collapse @ over 35', offsets, open joints	MF	done 4/95	94	125
	....N		1999	Pine	Polk	Larkin	1880	?	3x5	BRICK	Fairly bad shape (230'), st. depression			86	280
1188N		hold	2000	Grant	Edith	Lombard	1918	?	16"	VCP	Cracks, Dip, Cement Pipe	MF		86	107
			2000	Chinatown Alleys(2)											100
	....N		2000	Townsend	7th St Mb	8th St Mb	1921		12"	VCP	Dips, Cracks, Crushed			86	167
		SEW	2000	Treat	22nd St	21st St	1883	?	18"	ISP	Cracks 55 8', several depressions			89	200
	....N		2000	Pine	Hyde	Leavenworth	1880	?	3x5	BRICK	Fairly bad shape (oval), 3 broken s/s			86	280
	....N		2000	Balboa	Arguello	2nd Ave	1907	?	18"	ISP	Multiple cracks			86	107
			2000	Jackson	Walnut	Laurel	1890		14"	VCP	Bad cracks, offsets, street depression			89	132
			2000	Fillmore	Jackson	Washington	1900	?	12"	VCP	Continuous multiple cracks and offsets			85	90
														Total 99-00 =	$2,153
	....N		2000	Kensington	Merced	Claremont	1915		12"	VCP	Replace mh a-b, otherwise fair condition			85	100
	....N		2000	Moultrie	Eugenia	Cortland	1915	?	10"	VCP	Broken pipe, cracks, infiltration			85	111
	....N		2000	Wilmot	Webster	Fillmore	1900	?	10"	ISP/CP	Multiple extensive cracks/ cement pipe			84	120
	....N		2000	Kirkham	6th Ave MB	7th Ave	1906		18"	VCP	43 foot run with cracks throughout			84	107
	....N		2000	Noe	26th St.	Clipper MB	1888		18"	VCP	Cracks throughout, 33' run(debris)			84	101
	....N		2000	Polk	Greenwich MB	Filbert	1890	?	10"/18"	VCP	Continuous cracks, offsets			84	109
	....N		2000	Jones	Filbert	Lombard	1919		12"	VCP	Numerous Cracks			83	213
	....N		2000	Sacramento	Taylor	Mason	1875		16"	ISP	Many cracks, open joint			83	138
	....N		2000	Leavenworth	O'Farrell	Geary	1900	?	3x5	BRICK	Bad shape			82	221
....N			2000	Potrero	Alameda	Division	1889	?	16"/18"	ISP	Continuous multiple cracks			82	179
	....N		2000	Buchanan	Greenwich	Lombard St	1887		18"	VCP	Cracks, offsets, open joints			85	120
	BSSR		2000	South Hill	Prague	Geneva	1915		8"	ISP	Broken sections, cracks	MF/OL		82	60
	....N		2000	2nd St	Brannan	Townsend	1890	?	18"	VCP	Many cracks / replace lower 1/2 block			82	160
	....N		2000	24th Ave.	California	Clement MB	1907		8"	ISP	Cracks, breaks, dip, street depressions			80	100
	....N		2000	6th Ave	Fulton	Cabrillo	1907	?	8"	ISP	Many cracked sections, hole (repair done 1/12/96)			79	168
	....N		2000	O'Farrell	Anza Vista	Masonic	1947		15"	VCP	Numerous cracks			77	237
	BSSR		2000	Congo	Melrose	Mangels	1910		8"	VCP	Many cracks over the block	MF		77	48
1188N		hold	2000	Chestnut	Powell	Stockton	1890		16"	CEM	Cracks, invert erosion	RE/JP		97	140
1188N		hold	2000	Grant	Chestnut	Francisco	1918	?	14"	VCP	Offsets, Crushed Pipe, Debris	RE		105	99
	....N		2000	Washburn	Howard	Mission	1900	?	3x5	BRICK	Fairly bad shape, bricks, broken s/s			76	350
														Total 2000/1 =	$2,881
				NEW ADDED PROJECT											
			1996	Esmt Block #2974	Casitas	Lansdale	1938		15"	VCP	Ready to collapse, replace mhA to mhB			105	8
				DELETED PROJECT											

PRIORITY POINTS = Points for Hydraulic inadq., structural inadq., proposed paving etc.
100 + = High priority   80-100 = Normal priority   80- = Lower priority

5-YEAR SEWER REPLACEMENT PRIORITY LIST

JOB SEW	NO. S & H	LEAD	SCHED CONST YEAR	STREET	FROM	TO	YEAR CONST		SIZE	MAT	REVIEWER'S COMMENTS	TYPE PAVE	PROP'D PAVE DATE	PRIORITY POINTS	PROJ. COST (000)
1210N	BSSR	SEW	1996	Fulton	Buchanan	Laguna	1875		3X5	BRICK	Bad shape, dirt, bulging	MF		105	286
1209N		SEW	1996	Larkin	Green	Greenwich	1900	?	18"	VCP	Cracks, crushed, offsets	MF		100	320
1209N		SEW	1996	Larkin	Vallejo	Green	1900	?	15"	VCP	Cracks, crushed, offsets	MF		96	423
1209N		SEW	1996	Greenwich	Larkin	Polk	1904	?	12"	VCP	Cracks, collapsed sections			94	138
	7181E	S&H	1996	Holladay	York	Rutledge MB	1916		12"	VCP	Cracks, collapse	MF/JP	7/96	103	187
		SEW	1996	Dolores	28th St	Valley	1885	?	18"	VCP	Crushed and multiple cracks	MF		102	89
														Total 95-96 =	$4,230
1241N		SEW	1996	El Mirasol	Crestlake	Sloat					New sewer construction project			105	150
1219N	...N		1996	Steiner	Broadway	Green	1889		18"	VCP	Crushed section, cracks, offset joints			93	235
1218N	BSSR		1996	Harrison	5th St	Morris	1935		12/18/21	VCP	Severe cracks, severe dips/debris restrict flow	MF		94	230
1218N	...N		1996	Larkin	Grove	Hayes	1915		18"	VCP	TV'd 190', collapsed, dip, debris			95	92
1221N	....N		1996	Post	Laguna	Buchanan	1900	?	16"	ISP/CP	Inv. hole @132'?, worn invert, cracks	MF		94	140
1221N	....N		1996	Sacramento	Locust	Spruce	1890	?	8"	ISP	Collapsed pipe, offset joints, & dips	MF		99	119
1255N	BSSR		1996	San Jose	24th St	25th St	1889	?	15"	VCP	Many cracked & crushed sections	MF		104	170
1253N	1091N	SEW	1996	12th St	Folsom	Harrison	1875		3'X5'	BRICK	Bad shape, missing bricks, broken ss	TR/JP	6/97	101	370
1256N		SEW	1996	23rd St.	Capp	S. Van Ness MB	1876		18"	CEM	Cement pipe, breaks, cracks			99	69
1256N	....N	SEW	1996	22nd Street	Bartlett	Mission	1890		15"/8"	CP/VCP	Many severe cracks	MF		97	85
1256N		SEW	1996	21st St.	Bartlet	Mission	1887		18"	ISP	3 areas of severe cracks/collapse, cracks			101	107
1252N	....N		1996	Shotwell	22nd St	23rd St	1889	?	12"	VCP	Offsets,dip, severe cracks	MF/JP		93	145
1252N	....N		1996	Shotwell	24th St	23rd St	1889		12"	VCP	Open joints, crushed section, dip debris	MF/JP		104	150
1254N	....N		1996	11th St	Folsom	Harrison	1880	?	3x5	BRICK	Bad shape, missing & loose bricks			104	360
	....N	SEW	1997	Leavenworth	Greenwich	Lombard	1890	?	16"	VCP	Crushed Pipe, Numerous Cracks			103	110
	....N		1997	Valencia	15th	16th	1890	?	3X5	BRICK	Bad shape, collapsed @ 447 Valencia			109	418
	....N		1997	Victoria	Randolph	Brotherhood	1920	?	12"	ISP	Open break @112-115', cont. cracks, mh b-c			100	160
	....N		1997	Clarence	Townsend	End; N		?	24"	VCP	Severe cracked sections, ready to collapse			99	90
			1997	Bryant	7th St	Gilbert	1876	?	3x5	BRICK	Bad shape, cracks on crown, ready to cave in	MF		102	119
			1997	Sacramento	Grant	Kearny	1880	?	3x5	BRICK	Bad shape, missing & loose bricks			92	274
			1997	Larkin	Pine	Bush	1875	?	3x5	BRICK	Bad shape, many loose bricks			101	208
	....N		1997	Ord St.	Corbett	Market	1900	?	15"	VCP	Cracks, cracked invert, severe offsets	MF		101	43
			1997	California	Webster	Buchanan	1880	?	15"	CEM	Offsets, hole @ 104', open joints, st depressions			90	142
7474E		Hold	1997	California	Laguna	Buchanan	1876	?	16"	CEM	TV'd 35', Collapsed			96	323
7474E		Hold	1997	1st St(Delancy St.)	Brannan	Townsend	?		12"/15"	VCP	Collapsed sections			82	207
			1997	Esmt blk #4315/16	Minnesota	3rd St	1949		12"	VCP	Several severe cracks & collapses			80	145
		SEW	1997	Esmt Block #4317	Indiana	Minnesota	1949		12"	VCP	Severe multiple cracks			85	74
	6094Q	S&H	1997	Davis	Clay	Washington	1878	?	3'x5'	BRICK	Bad shape, debris, missing bricks & mortar	RE/JP	3/97	85	167
			1997	23rd St	Castro	Diamond	1888	?	15"	VCP	Severe cracks @ 25-70', heavy debris, dip	MF		98	180
	BSSR		1997	Douglass	25th St.	Jersey	1879		15"	VCP	Many cracked sections	MF		104	95
	....N		1997	22nd St	Bryant	Florida	1879		16"	VCP	Crushed sections			100	80
														Total 96-97	$5,257
			1997	Rankin	Davidson	Evans		?	18"	?	Ready to collapse (TV'd 20' due to grout) no log sheet			90	110
	....N		1997	8th St	Market	Hyde/Grove	?		15"	VCP	Cracked sects. replace (a-b) across Market			99	50
	....N		1997	Turk	Broderick	Divisadero	1881		16"	ISP	Cracks, collapsed section			99	152
	....N		1997	Broadway	Powell	Stockton	1876		3'x5'	BRICK	Bad shape, out of round, sagging, loose bricks			97	270
	....N		1997	Pacific	Jones	Taylor	1876		3x5	BRICK	Bad shape, missing & loose bricks		Done 11/93	100	280
	....N		1997	Pacific	Powell	Stockton	1876		3'X5'	BRICK	Out of round, loose bricks, plaster			94	280
	....N		1997	Pacific	Mason	Powell	1876		3'x5'	BRICK	Bad shape 1/2, fairly bad shape 1/2			87	280
	BSSR		1997	Deming	Clayton MB	Uranus	1920		12"	ISP	Ready to collapse	MF		98	51
	BSSR		1997	Sutter	Octavia	Gough	1875		12"/16"	VCP/CP	Many severe cracks, abandoned? (no video!)	MF		96	150
	1005N	S&H	1997	O'Shaughnessy	Portola	Del Vale MB	1939		15"	VCP	Badly cracked, no tv log, sewer lining recommended	MF	1/96	96	70
	BSSR		1997	Marston	Circular	Edna	1910		8"	ISP	Many severe cracks	MF		95	114
	....N		1998	Sutter	Kearny	Intersection	1876	?	3x5	BRICK	Intersec. in bad shape, rest is in fair shape			90	50
			1998	Kearny	Sutter	Bush	1890	?	3x5	BRICK	Fairly bad shape, loose bricks			97	208
	....N		1998	Harrison	08th St	07th St	1880	?	3'x5'	BRICK	Missing mortar, loose bricks, out of round			95	550
	....N		1998	Harper	Randall	30th St	1926		15"	ISP	Cracks, dip, break?-replace w/st reconstruction	RE		95	196
														Total 97-98 =	$2,811
	BSSR		1998	Francisco	Stockton	Powell	1876	?	3'x5'	BRICK	Bad shape 1/2, fairly bad shape 1/2	MF		95	290

PRIORITY POINTS = Points for Hydraulic inadq., structural inadq., proposed paving etc.
100+ = High priority, 80-100 = Normal

5-YEAR SEWER REPLACEMENT PRIORITY LIST

JOB SEW	NO. S & H	LEAD	SCHED CONST YEAR	STREET	FROM	TO	YEAR CONST		SIZE	MAT	REVIEWER'S COMMENTS	TYPE PAVE	PROP'D PAVE DATE	PRIORITY POINTS	PROJ. COST (000)
			1998	Post	Grant	Kearny	1880	?	3x5	BRICK	Bad shape, missing & loose bricks			87	274
			1998	Post	Broderick	Baker	1900		18"	VCP	Joints open throughout, open ss, sand infiltration			95	162
			1999	Stonestown Trestle Removal							Trestle is an attractive nuisance			N/A	286
			1999	Chinatown Alleys(3)											150
	....N		1999	Golden Gate	Scott M8	Pierce	1875		14"	ISP/CP	Cement pipe sections, badly cracked			93	80
	....N		1999	8th Ave.	Fulton	Cabrillo	1907	?	8"	VCP	Numerous cracked sections, collapse			92	168
	....N		1999	Rincon	Bay Bridge	Bryant	1917	?	12"	VCP	Collapsed			95	70
	....N		1999	Sutter	Montgomery	Intersection	1876	?	3x5	BRICK	Intersection in bad shape			90	50
														Total 98-99 =	$1,530
	....N		1999	Eddy	Pierce	Steiner	1875		3x5	BRICK	Bad shape (50'), rest needs plastering			89	280
	....N		1999	Sacramento	Sansome	Battery	1908		12"	ISP	Many cracks, crush @ 54-80, 116-49', debris	MF		90	80
			1999	26th St	Dolores	Church	1885		15"	VCP	Many medium & minor cracks, severe grout	MF		93	205
	....N		1999	Union	Divisadero	Broderick	1885	?	8"/12"	VCP	Cracks/collapse @ over 35', offsets, open joints	MF	done 4/95	94	125
	....N		1999	Pine	Polk	Larkin	1880	?	3x5	BRICK	Fairly bad shape (230'), st. depression			86	280
1188N		hold	2000	Grant	Edith	Lombard	1918	?	16"	VCP	Cracks, Dip, Cement Pipe	MF		86	107
			2000	Chinatown Alleys(2)											100
	....N		2000	Townsend	7th St Mb	8th St Mb	1921		12"	VCP	Dips, Cracks, Crushed			86	167
		SEW	2000	Treat	22nd St	21st St	1883	?	18"	ISP	Cracks 55-8', several depressions			89	200
	....N		2000	Pine	Hyde	Leavenworth	1880	?	3x5	BRICK	Fairly bad shape (oval), 3 broken s/s			86	280
	....N		2000	Balboa	Arguello	2nd Ave	1907	?	18"	ISP	Multiple cracks			86	107
			2000	Jackson	Walnut	Laurel	1890		14"	VCP	Bad cracks, offsets, street depression			89	132
			2000	Fillmore	Jackson	Washington	1900	?	12"	VCP	Continuous multiple cracks and offsets			85	90
														Total 99-00 =	$2,153
	....N		2000	Kensington	Merced	Claremont	1915		12"	VCP	Replace mh a-b, otherwise fair condition			85	100
	....N		2000	Moultrie	Eugenia	Cortland	1915	?	10"	VCP	Broken pipe, cracks, infiltration			85	111
	....N		2000	Wilmot	Webster	Fillmore	1900	?	10"	ISP/CP	Multiple extensive cracks/ cement pipe			84	120
	....N		2000	Kirkham	6th Ave M8	7th Ave	1906		18"	VCP	43 foot run with cracks throughout			84	107
	....N		2000	Noe	26th St.	Clipper M8	1888		18"	VCP	Cracks throughout, 33' run(debris)			84	101
	....N		2000	Polk	Greenwich M8	Filbert	1890	?	10"/18"	VCP	Continuous cracks, offsets			84	109
	....N		2000	Jones	Filbert	Lombard	1919		12"	VCP	Numerous Cracks			83	213
	....N		2000	Sacramento	Taylor	Mason	1875		16"	ISP	Many cracks, open joint			83	138
	....N		2000	Leavenworth	O'Farrell	Geary	1900	?	3x5	BRICK	Bad shape			82	221
....N			2000	Potrero	Alameda	Division	1889	?	16"/18"	ISP	Continuous multiple cracks			82	179
	....N		2000	Buchanan	Greenwich	Lombard St	1887		18"	VCP	Cracks, offsets, open joints			85	120
	8SSR		2000	South Hill	Prague	Geneva	1915		8"	ISP	Broken sections, cracks	MF/OL		82	60
	....N		2000	2nd St	Brannan	Townsend	1890	?	18"	VCP	Many cracks / replace lower 1/2 block			82	160
	....N		2000	24th Ave.	California	Clement M8	1907		8"	ISP	Cracks, breaks, dip, street depressions			80	100
	....N		2000	6th Ave	Fulton	Cabrillo	1907	?	8"	ISP	Many cracked sections, hole (repair done 1/12/96)			79	168
	....N		2000	O'Farrell	Anza Vista	Masonic	1947		15"	VCP	Numerous cracks			77	237
	8SSR		2000	Congo	Melrose	Mangels	1910		8"	VCP	Many cracks over the block	MF		77	48
1188N		hold	2000	Chestnut	Powell	Stockton	1890		16"	CEM	Cracks, invert erosion	RE/JP		97	140
1188N		hold	2000	Grant	Chestnut	Francisco	1918	?	14"	VCP	Offsets, Crushed Pipe, Debris	RE		105	99
	....N		2000	Washburn	Howard	Mission	1900	?	3x5	BRICK	Fairly bad shape, bricks, broken s/s			76	350
														Total 2000/1 =	$2,881
				NEW ADDED PROJECT											
			1996	Esmt Block #2974	Casitas	Lansdale	1938		15"	VCP	Ready to collapse, replace mhA to mh8			105	8
				DELETED PROJECT											

PRIORITY POINTS = Points for Hydraulic inadq., structural inadq., proposed paving etc.
100 + = High priority 80-100 = Normal priority 80- = Lower priority

3 PROJPRI.XLS 5/22/96

SF DPW

SF
P85.93
#2
6/13/96

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

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MINUTES OF MEETING NO. 376
June 13, 1996

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Amy Chow	554-8249
Zhiming Fan	554-8261
Berhane Gaime	554-8271
Robert Mason	554-8251
Dave Moore	558-4566
Joe Norris	554-8274
Eric Omokaro	554-8320
Carmen Talavera	554-8261
Thomas Won	554-8275
Dot Yee	558-4050

Bureau of Street and Sewer Repair

☛ **(Representative not present)**

Bureau of Street Use Management

☛ **(Representative not present)**

DPW Public Affairs

☛ **(Representative not present)**

Department of Parking and Traffic

Scott Broady	554-2326
Adam Gubser	554-2342
Peter Tannen	554-2396

MUNI Engineering

☛ **(Representative not present)**

San Francisco Port Authority

Skip Zeller	274-0552

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department

City Distribution Division

Joe Pelayo	550-4916

Caltrans

Karen Ashe	557-7052
Mohammed Jirde	510-286-4755
Arvind Joshi	510-286-4889

Pacific Bell

Bob Pickard	542-9050
Gil Sams	542-7428

Pacific Gas & Electric

Gil Munoz	695-3550

SF Thermal

☛ **(Representative not present)**

Viacom Cablevision

David Walunas	863-8500

Teleport Communications

☛ **(Representative not present)**

ICG Access Services

☛ **(Representative not present)**

Navigation Technologies

Jennifer Wylie	707-763-2024

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 376
June 13, 1996

The May 9, 1996 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Ms. Ashe reported that a drainage problem is being resolved in the China Basin structure where one of the columns discharges into the railroad yard instead of a storm drain. She asked if PG&E needed a permit for traffic control where their work in the Caltrans right of way requires displacing traffic next to it. Mr. Broady referred her to the DPT Blue Book and noted that a new edition is due in September. She also needs information on clearance standards for freeway structures close to the large sewers in 6th Street. Work on the steel portion of the Central Freeway will begin Monday with adjustment to the sewer in Dore Street between Bryant and Brannan. Work in the segment near San Bruno, Gaven, and Rickard is now near completion. Caltrans is working on traffic control plans at Polk/Fell/Market and at South Van Ness/Howard, in preparation for the demolition of the concrete portion. They are also trying to redesign the footings at 7th St to resolve conflicts with the large PG&E gas lines.

Curb Ramp Standards We have not heard anything new from last month.

Sewer Management System Mr. Won reported no new developments this month. Mr Mason recommended checking the Sewer 5 Year Plan report each month, which changes often.

Status Report Clearances Ms. Chow reported that we have added about a thousand new streets into the CULCOP process for clearance. We will be drawing from this list for the next five years. We will meet with the major utilities to refine and reschedule the paving candidates to avoid scheduling conflicts and violation of moratoriums. Pending that resolution, the list is still preliminary and can be expected to change. Members should give priority to the listing of streets still needing clearance for imminent construction. Ms. Chow ask members to use the clearance forms in the first section of the CULCOP status report.

Stick Map Ms. Chow presented a map and a tabular report showing streets our records indicate as Caltrans-owned. The list is still under review by Caltrans. Similar plots and the corresponding tabular reports can be obtained by calling Ms. Chow or Mr. Norris. Mr. Broady asked if these were the streets that require Caltrans encroachment permits; Ms. Ashe replied they were. Mr. Sams inquired what standards applied for plating, traffic control, and the like. Ms. Ashe referred to the Caltrans Standard Plans.

Mr. Zeller asked if the ownership of The Embarcadero between Vallejo and Howard had been settled yet. Ms. Ashe replied it was not yet final. Mr. Joshi suggested calling Dan Murphy of the Caltrans legal department for current information.

Uretek Slab Leveling Process Mr. Mason reported some success with testing at two locations on Mission Street. We are considering an as-needed contract.

NEW BUSINESS

DPT Blue Book & Traffic Loops and Stripping
Mr. Broady gave a brief status of the new Blue Book. Mr. Broady indicated the Blue Book is currently being updated and the new edition will be available this September. Mr. Rickard noted that the Blue Book information could be plotted using the stickmap. This map can indicate streets with special restrictions. Mr. Broady and Ms. Chow will be looking into developing this map.

Mr. Broady noted problems with loop detectors being removed or damaged in the course of resurfacing or trenching projects. The agency excavating sites with signal loop detectors must inform DPT, so that the damaged loops can be replaced. Mr. Pickard noted that the buried loops should be USA marked along with the other facilities. Mr. Broady indicated a current listing of loop locations already exists and he is working with Ms. Chow to incorporate the information into the existing paving process.

Mr. Broady also noted occasions in which new striping, traffic bars, and such were paved over by BSSR. DPT's shop needs to know when BSSR will pave so they can adjust their schedule. Mr. Mason explained that when a construction date appears for a BSSR job, this indicates that BSSR can start paving as of the construction date. However, we do pull streets when we receive last-minute notice of utility work, and some streets require a 90-day process to trim sidewalk trees to allow access for the paving machinery. In most cases, a street with a construction date will be paved that month or very soon after.

F-Line Coordination Mr. Mason reported meeting with representatives of the Fisherman's Wharf Association, utility companies, and the CAO's Office regarding the F-Line project. The merchants had concerns about other utility work in the area that might compound the impact of the Muni work. Please note any utility work for your agency within the next five years on the attached list and return it to us so we can coordinate.

Bayshore Via Duct Project Mr. Joshi presented an aerial photo of the existing I-80 with an overlay of Caltrans' plans for retrofitting the elevated structure between 16th St and the Bay Bridge. The work consists of enlarging footings and increasing stiffness of the structural decking. The work will be phased over a three year period, beginning in 1997. Most of the surface streets will remain open, with some temporary rerouting of the on and off ramps between 5th and 6th Streets. Mr. Joshi can be reached at (510)286-4889, if there are any questions in the future.

San Francisco Bicycle Program Mr. Tannen presented the current state of the San Francisco Bicycle Program. This program is a joint effort of the bicycle task force and a consultant to identify and improve a comprehensive bicycle route through out the city. This bicycle route combines feasible grades, traffic safety, and access between parts of the City. A federal grant has been provided to the program to re-stripe, sign, and improve the bicycle lanes. Enclosed is a pamphlet of the San Francisco Bicycle Program and a list of streets to be re-striped for bicycle lanes. Mr. Tannen emphasized that the stripping projects should be coordinated with paving work, so that newly striped streets will not be resurfaced. Questions and comments can be addressed to Mr Tannen at 554-2396.

GIS Presentation Mr. George White has provided the enclosed article on creating digital orthopotographs, *San Francisco Hills Challenge Orthorectification Process*. The article discusses the technical challenges involved in San Francisco's GIS Basemap project.

The next meeting will be at 10:00 am Thursday, July 11, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

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CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO BICYCLE PROGRAM
25 Van Ness Avenue, Suite 345
San Francisco, California 94102

SAN FRANCISCO
DPT
DEPARTMENT OF PARKING & TRAFFIC

San Francisco Bicycle Program

25 Van Ness Avenue, Suite 345
San Francisco, California 94102

WELCOME BICYCLISTS, TO THE FUTURE SAN FRANCISCO!

A welcome to bicyclists who go beyond the City's "Transit First" policy by choosing to commute, do chores, or simply recreate on bicycles. Nothing feels so free as having the wind blowing through your hair, the sun on your back, and viewing our beautiful neighborhoods from a bike.

As the Vice President of the Parking and Traffic Commission, I am committed to making San Francisco a bicycle-friendly city, with more on-street amenities for cyclists than any city in California. We are fortunate to have voter support of the new PacBell Ballpark, located on the bay side of The Embarcadero crown of flat surfaces and beautiful vistas. The Giants have envisioned several thousand bicycle parking spaces available so that people from all corners of the City can bike to the Ballpark.

CalTrain cannot be complimented enough for their foresight in providing special bicycle cars for those riders from the Peninsula who choose to ride the trains to and from San Francisco and bike within the City.

BART allows bikes on trains during non-commute hours and AC Transit is installing bike racks on the front of certain buses to aid bicyclists in commuting to and from hilly locations. Hopefully MUNI will not be far behind in installing bike racks on the front of our buses that will aid San Franciscans from hilly neighborhoods, such as Potrero Hill, Russian Hill, Telegraph Hill, and Pacific Heights.

The installation of bicycle racks and lockers will enhance the ease with which bicyclists will be able to shop, eat, and recreate in San Francisco. DPT, through its able Bicycle Program Manager (and engineer), Peter Tannen, has designed bike lanes, installed bike-safe catch-basin drain grates, and marked traffic signal sensors for cyclists to ensure a safe and smooth ride for bicyclists. The DPT will be initiating a share-the-road education program targeting car drivers to remind them to be careful when exiting the drivers' side by looking for bicyclists on the left side and to be aware of bicyclists when making right-hand turns.

The Department of Parking and Traffic and the Parking and Traffic Commission look forward to working with all people of San Francisco in maintaining the smooth flow of traffic, the availability of parking, the safe perambulations of pedestrians, and our environmentally enhanced bicycle program.

Sharon L. Bretz

Sharon L. Bretz
Vice President
Parking & Traffic Commission

SAN FRANCISCO BICYCLE PROGRAM

The San Francisco Bicycle Program, one of the functions of the Department of Parking and Traffic (DPT), oversees just about everything concerning bicycling in San Francisco. This innovative and exciting program is currently staffed by San Francisco's first Bicycle Program Manager and an assistant.

This program benefits everyone who bicycles in San Francisco for transportation or recreation. It has made a significant contribution to Bay Area transportation by improving bicycle facilities, promoting bicycling in general and bicycle safety in particular, and obtaining increased bicycle funding. Some of its projects have also improved the connectivity of the regional transportation system by providing improved bicycle access across bridges and on transit. It has made bicycling a safer, more convenient, and more viable transportation mode for those served (ie: all those who bicycle in San Francisco). In the absence of this program, many people who bicycle in San Francisco might choose other transportation modes, including driving automobiles, instead of bicycling some or all of the time. Thus, the program has decreased the city's traffic congestion and air pollution.

The Department of Parking and Traffic is introducing this quarterly newsletter to provide information about recent accomplishments of the Bicycle Program. This premiere issue describes a few of the new Bicycle Program projects. It illustrates, by specific examples, how the program is making San Francisco a more bicycle-friendly city. The purpose of this newsletter is to provide information to San Francisco cyclists and potential cyclists and to involve them in the future progress of this program.

As our first publication endeavor, we welcome your suggestions for a newsletter name and solicit your feedback on this first issue. The next issue of the San Francisco Bicycle Program will feature an update on the bicycle plan, funded by the San Francisco County Transportation Authority. DPT expects to present the plan for approval late this spring.

COMMUTER HOTLINE

(415) 585-BIKE

BICYCLE COMMUTING INFORMATION HOTLINE

The Department of Parking and Traffic's Bicycle Program has obtained funding from the Bay Area Air Quality Management District (BAAQMD) for the creation of a San Francisco Bicycle Commuting Information Hotline. The hotline, easily accessible from any telephone, will provide comprehensive information about bicycle commuting in San Francisco (as well as connections to the rest of the Bay Area). Callers will be able to leave messages and request informational material, such as safety brochures and personalized bicycle route maps (showing highlighted routes recommended for the caller's ride to and from work).

The project's goal is to reduce air pollution by encouraging a shift from auto driving to bicycling by providing crucial information needed to bicycle safely in the dense San Francisco urban environment. One major reason that more people do not commute by bicycle is the lack of a "support network." Bicycle commuters do not have ready access to information that motorists and transit users take for granted. We hope to provide comparable information for cyclists.

Preparatory work has been completed. The hotline will begin operation soon, so cyclist can take advantage of dry weather and longer daylight hours. If you know someone who is new to bicycle commuting or a veteran commuter, please inform them about our new service. If you have any questions or comments, please leave a message for Adam Gubser of the Bicycle Program at the new hotline number: 585-BIKE.

This hotline has been funded in part by a Transportation Fund for Clean Air Grant from the Bay Area Air Quality Management District.

THE NEW BICYCLE ROUTE SIGNS

BICYCLE ROUTE SIGNS AND BICYCLE ROUTE SYSTEM

The City and County of San Francisco has initiated a request for and has obtained state approval for unique signage to mark the first network of numbered bicycle routes in California.

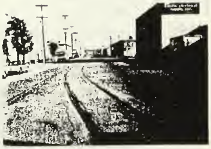
These rectangular signs, designed by DPT Traffic Engineer, Scott Broady (shown on the newsletter cover) feature a large bicycle and route number on a green oval. At the top, there is a graphic of the Golden Gate Bridge over a layer of fog. The signs will include information on destinations and travel directions. The route system is divided into two classes. Primary crosstown routes will feature a full color graphic of the bridge. Local neighborhood routes will have a graphic that is entirely green and white.

The numbering system, based on federal highway methodology, uses odd numbers for north-south routes, and even numbers for east-west routes. Loops and spurs have three-digit designations. The system is laid out on a grid with the lowest numbers (5 and 2) originating in the northeast part of the city, progressing to the highest numbers in the southwest (95 and 98). Numbers were selected in such a way that new routes can be easily inserted between existing ones, while maintaining the numerical progression. No number duplicates a state highway number within the city.

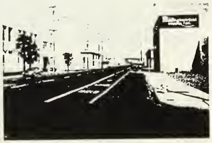
The goal of this sign project is to promote bicycle use by making the public more aware of the bicycle as legitimate transportation mode. The signs will direct cyclists, wherever possible, to the most direct and least hilly routes between major destinations. They will also serve to remind motorists that they are sharing the road with cyclists who are traveling on an official bicycle route.

BICYCLE ROUTE IMPROVEMENTS

Looking East from De Haro Street...



16th Street before railroad track removal



16th Street after railroad track removal

LOCKERS AND RACKS

The Department has initiated two projects that address a common concern of cyclists after they reach their destination . . . parking. One project is the installation of bicycle lockers to encourage cycling and lessen traffic congestion, and air pollution, especially downtown. They provide secure protected bicycle storage for regular commuters and eliminate the daily hassle of finding a bicycle parking space. Each renter receives a locker key and has exclusive use of the space. Bicycle lockers are available at the following locations for immediate rental: Sutter/Stockton Garage, Fifth/Mission Garage, Transbay Terminal and California Pacific Medical Center (CPMC) at the Clay/Webster Garage.

The lockers can be rented for $25 for three months, $45 for six months or $75 for one year. They are available on a first-come, first-served basis. Future lockers will be installed at San Francisco General Hospital and other sites as well.

The DPT also has a bicycle rack installation program. Its purpose is similar to the bicycle locker program, but it is geared more towards short-term parking. Businesses can apply for rack installation in a public place. Instead of locking their bicycles to a sign or parking meter post, cyclists can fasten their bikes more securely on specially designed racks, such as the inverted U-rack. Racks are typically installed on wide sidewalks, to avoid obstructing pedestrians. Bicycle racks must be located in the sidewalk area fronting the applicant's property. There is a $50 permit fee and an additional $24 fee for notarization and recordation. For more information or for an application form for a bicycle locker or rack, please leave a message for Manito Velasco at the new hotline number: 585-BIKE.

These lockers have been Funded in part by a Transportation Fund for Clean Air Grant from the Bay Area Air Quality Management District.

BICYCLE LANE STATUS REPPORT

Street	From	To	Length (Mi)	Cost	Anl	Str Dwg	Appvd	Pre-Staff	ISCOTT	Pub Hr	PTC	Bd Com	Resoltn	Sign Dwg	Strpd	Sgnd	Tech Notes	Political Notes	Done	AB434	Stf	B Ct	A
3rd	King	Mariposa	1.2	$31,000															NO	YES		NEED	
5th																			NO				
7th	Lincoln Way	Laguna Honda			NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		SFBC wants these lns	NO	NO	CL		
11th	Howard	Harrison	0.3	$5,800	YES	YES	PEND	NO	NO	NO	NO	NO	NO	NO	NO	NO		-	NO	YES	KO	NEED	
11th	Howard	Market			YES	YES	PEND	NO	NO	NO	NO	NO	NO	NO	NO	NO	Angle pking - 1/2blk	-	NO	NO	KO		
16th	3rd	Pennsylvania			-	YES	YES	YES	YES	YES	YES	YES	536-95	NO	NO	NO	rr trks rmvd in 97	-	NO	YES	JOR	NEED	
16th	DeHaro	Kansas			-	YES	YES	YES	YES	YES	YES	YES	536-95	NO	NO	NO	to be rsfcd fall 96	-	NO	YES	JOR	NEED	
16th	Mississippi	DeHaro			-	YES	YES	YES	YES	YES	YES	YES	536-95	NO	YES	NO	Tape not inlaid	-	NO	NO	JOR		
Arguello	Fulton	West Pacific			YES	PEND	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Lane reduction; MUNI	?	NO	NO	RO		
Dewey	Laguna Honda	Taraval	0.4	$7,400	-	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Cvt edge lines to BL	Cncrn 2 abrst drving	NO	YES	AG	NEED	
Folsom	Embarcadero	Main			YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Do not strp-Changing	-	NO	YES	JOR		
Folsom	Essex	11th	1.4	$13,000	YES	YES	YES	YES	YES	PEND	NO	NO	NO	NO	NO	NO	-	-	NO	YES	JOR	NEED	
Folsom	Main	Essex			YES	YES	YES	YES	YES	PEND.	NO	NO	NO	NO	NO	NO	-	-	NO	YES	JOR		
Geneva	Mission	County Line	1.3	$24,000	PEN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	DPW STP project	-	NO	YES	CL	NEED	
Golden Gate	Lyon	Market			YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Needs further anal	Central Fwy	NO	NO	CL		
Harrison	11th	14th	0.2	$12,000	PEN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		Angle parkimg ?	NO	YES	ET	NEED	
Harrison	14th	16th	0.2	$3,600	PEN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		Angle parkimg ?	NO	YES	ET		
Harrison	22nd	Army	0.6	$11,000	PEN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		Angle parkimg ?	NO	YES	ET	NEED	
Howard	Embarcadero	11th			YES	YES	NO	YES	YES	PEND	NO	NO	NO	NO	NO	NO	Resrf:1-3/1-6;W C Ln	6th St. Tow-away	NO	NO	MV		
King	2nd	3rd			-	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Emb. prj extension		NO	YES	AH	NEED	
Laguna Honda	7th	Clarendon	0.3	$17,000	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Painted median	-	NO	YES	CL	NEED	
Laguna Honda	Clarendon	Woodside	0.3	$3,600	-	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	-	-	NO	YES	CL	NEED	
Lyon	Chestnut	Lombard			-	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	5-1/2′	Lane narrowing Proj	NO	NO	KO		
Lyon	Francisco	Chestnut			-	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	6′	Lane narrowing Proj	NO	NO	KO		
Mansell	San Bruno	University			-	YES	YES	YES	YES	YES	YES		>4/19/96	NO	NO	NO	-	Lane narrowing Proj	NO	NO	CL		
Marina	Laguna	Baker	1.1	$10,000	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		Concerned nbrhood	NO	YES	KO	NEED	
Polk	Vallejo	Northpoint	0.6	$11,000	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO			NO	YES		NEED	
Townsend	4th	Division	0.85	$15,000	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Unaccepted		NO	YES	CL	NEED	
Turk	Arguello	Lyon			YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Needs further anal	Central Fwy	NO	NO	CL		
Valencia	Market	Mission	0.9		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	-	Traffic vol & SFBC	NO	NO	MV		
Webster	Grove	Bush	0.7	$22,000	-	YES	YES	YES	YES	YES	YES	NO	>4/19/96	NO	NO	NO	-	-	NO	YES	JOR	NEED	

San Francisco Hills Challenge Orthorectification Process

By Kevin P. Corbley

Creating digital orthophotographs for an urban area in hilly terrain poses significant photogrammetric challenges. In an ongoing mapping project, the city and county of San Francisco pushed orthorectification technology to its limits by requesting an orthophoto basemap with 3-inch resolution and 2.5-foot accuracy.

In 1992, as part of a regional strategic plan, San Francisco decided to develop a centralized basemap that all city and county agencies could use to create virtually any digitized map they might need for planning, engineering and construction. Included in the project will be parcel maps for tax assessment, street centerlines for emergency routing, and major feature and building footprints for general planning.

"To create the basemap, coordinate geometry was considered but rejected because of the expense involved," said George White, program director for the Department of Public Works, Office of Capital Resource Management. "Scanning existing paper maps was affordable but wouldn't have provided the necessary accuracy."

Digital orthophotography was chosen for its combination of affordability and its high accuracy and resolution. A committee of municipal departments debated the resolution and accuracy question at length before finally coming to a consensus on acceptable parameters.

The committee determined a pixel resolution of 3 inches was required so the basemap could be used to inventory municipal property, including objects as small as manhole covers and street lights. One future beautification project will even use the basemap to locate and maintain individual trees along roadways.

The 2.5-foot accuracy was chosen primarily to create an extremely precise street centerline map that will be used in a vehicle navigation and routing project now under development for the city's police, fire and rescue squads. The centerline information must be accurate enough to update and correct commercially purchased digital transportation maps.

Above: High quality orthophoto of Ghirardelli Square, Fisherman's Wharf, Aquatic Park and the Hyde Street Cable Car Line in San Francisco, Calif.
Left: Downtown San Francisco with Golden Gate Bridge in the background

The Bay Area's famous hills present technicians with numerous challenges to orthorectification, including distortion of highway overpasses and bridges.

"We figured that any application requiring better accuracy than 2.5 feet would involve a ground survey anyway, so there was no need for the basemap to be more accurate," said White.

Collecting Aerial Photos

In 1993, Public Works awarded the aerial survey contract to Hammon, Jensen, Wallen & Associates (HJW), an Oakland, Calif., photogrammetric engineering firm that specializes in digital imagery and GIS services. HJW later won the contract to create the digital orthophotos from the aerial photos.

HJW's Pacific Aerial Surveys division acquired 275 aerial photos covering the 49-square mile San Francisco area. The firm also provided ground control and aerotriangulation necessary for digital terrain model extraction.

"Achieving a quarter-foot pixel resolution starts with the aerial survey," said Mark Safran, HJW's director of marketing. "The altitude must be low enough that details in the photos are not lost during scanning."

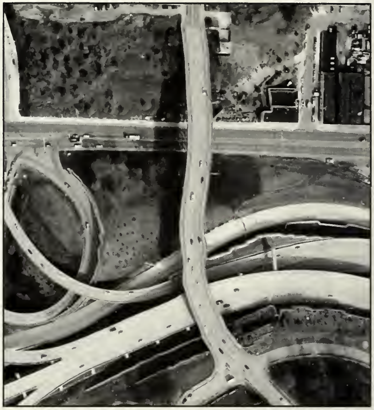
The photos were taken at an altitude of 3,300-feet above ground level, to provide a map scale of 1 inch equals 550 feet. Over the downtown area, which has numerous skyscrapers, HJW switched from a 6-inch to 12-inch focal length camera and increased altitude to 6,600 feet. This minimized the effect of building lean in the resulting high resolution photos.

HJW scanned the photos on a Vexcel VX3000 scanner at a resolution of 2,200 dots per inch to achieve the 3-inch pixel resolution.

Terrain Challenges

A major challenge to collecting DTMs in hilly, urban terrain like San Francisco's is the smear that can be created around manmade features due to abrupt changes in topographic relief. The classic example, of which many exist in San Francisco, is that of a building erected on a hillside. One side of the building may rise 50 feet above the ground, while the back side may rise 100 feet off the ground if it is on a steep slope.

Golden Gate Bridge, San Francisco, Calif.



Orthophoto showing bridge being influenced by surface terrain.

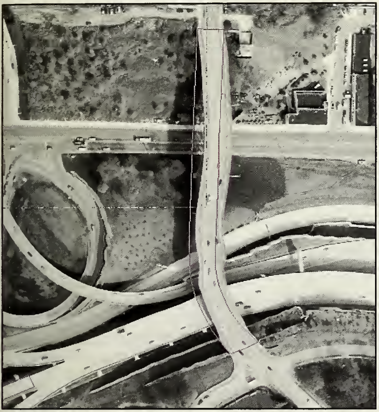
Any well-defined feature such as a building, road or retaining wall located along a sharp slope can create what looks like a smear on the orthophoto if the differences in ground elevation on two sides of the feature are not taken into account during DTM collection, explained Bill Zeman, HJW's project manager for the San Francisco program.

"When the technicians picked DTM points in the stereoplotter, they were careful to pick additional points along streets and on all sides of buildings, especially if there were breaklines on one side of the building," said Zeman. "This improved the accuracy of the DTM in the hilly San Francisco terrain."

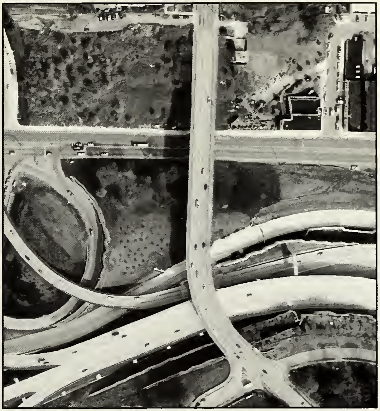
The Bay Area's famous hills presented HJW technicians with numerous opportunities to deal with another challenge to orthorectification — distortion of highway overpasses and bridges. If the sudden dips in elevation beneath bridges and overpasses are not considered during DTM extraction, the orthographic positions of these features will be incorrect in the final orthophoto.

"The overpass appears to dip down because it will follow the terrain below it unless there is compensation," said Safran. "This induces significant errors in accuracy to any street or transportation maps digitized from the orthophoto. The overpass will appear to zigzag when it's actually straight."

HJW performs orthorectification with an in-house Unix-based software package called OrthoView. When HJW developed this orthorectification software, it built in a capability to eliminate the distortions related to overpasses and bridges.



Orthophoto showing digitized outline of bridge's true location.



Orthophoto showing bridge corrected to true location.

As the stereoplotter operator collects DTMs, a polygon is also collected around any bridge or overpass. During orthorectification, the software takes into account the change in elevation and relative height of the overpass and places it in its correct orthographic position. OrthoView then automatically fills in the relic smear on the orthophoto where the feature had been incorrectly located.

The project area contained more than 100 overpasses or bridges that required the automated technique. About 30 percent of the 250 orthophotos contained overpasses.

The Next Phase

HJW created a second set of resampled orthophotos with 1-foot pixels because the file sizes of 3-inch orthophotos are too large for many San Francisco agencies to handle. A single 3000 x 2000-foot orthoimage at 3-inch resolution consumes 100 megabytes of disk space. Prior to delivery of hard and softcopy orthophotos, HJW also formatted and annotated each orthophoto using both NAD 27 and NAD 83 coordinate systems, both of which are used by city agencies.

The Department of Public Works has taken delivery of the digital orthophotos and has contracted to have several thematic maps digitized for immediate use. The first maps created will be grade maps of rights of way and curbs, parcel maps of blocks and lots, feature maps of major city features and buildings, and the street centerline map. Digitizing is slated for completion in June 1996.

Public Works oversees the project and plans to create a centralized computer library where the orthophoto basemap and digitized maps can be accessed by all city and county agencies. Because so many agencies are involved in the project and each has its own applications with specialized software, Public Works is formatting all map files in ARC/INFO, MapInfo and AutoCAD.

"We'll have a centralized server to distribute the maps among agencies," said George White, "and we will encourage them to create map updates after they perform work and input that information back into the system so all departments are aware of changes."

By summer of 1996, San Francisco expects to have the centralized server up and running with the orthophotos and the digitized thematic maps. Public Works estimates the aerial survey, orthophoto basemap development, and digitization of the four thematic map layers will cost only $1 million.

About the author:

Kevin Corbley is a freelance writer specializing in remote sensing, GIS and GPS. He is located in Denver, Colo., and may be reached at 303-987-3979 or by email at 74452.2252@compuserve.com

MORE INFO

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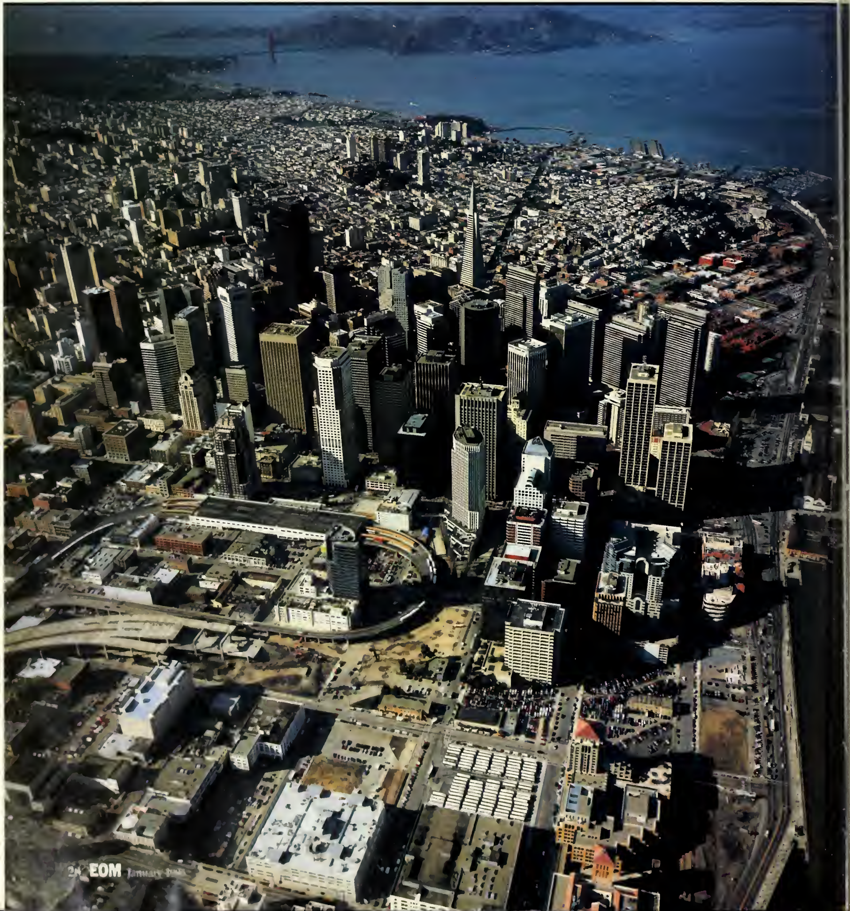
8407 Edgewater Drive
Oakland, CA 94621
Telephone: 510-638-6122
Fax: 510-638-5628

Photo credit: Pacific Aerial Surveys



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City and County of San Francisco

Department of Public Works
Bureau of Engineerng

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

COMMITTEE MEETING NO. 377

BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR
THURSDAY July 11, 1996
10:00 AM

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  F-Line Coordination
  Bayshore Viaduct Project
  San Francisco Bicycle Program
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    by Rebecca Kohlstrand of CAO
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Next Meeting: Thursday August 8, 1996 at 10:00 A. M.
BOE Conference Room
1680 Mission Street, Fourth Floor

Accessible Meeting Information

1. The meeting room is wheelchair accessible. Accessible seating for people with disabilities (including those using wheelchairs) will be available.

2. For American sign language interpreters, use of a reader during meeting, or sound enhancements, please contact CULCOP secretary at (415) 554-8274, at least 72 hours in advance of need. Late requests will be honored if possible.

3. Following a meeting, minutes are available in large prints or alternative formats. Please call CULCOP secretary at (415) 554-8274.

4. As part of the City's efforts to accommodate people with severe allergies, environmental illnesses, multiple chemical sensitivity, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these attendees and refrain from wearing perfume or other scented products.

5. The meeting will be held at 1680 Mission Street, the Fourth Floor Conference Room. Accessible Muni line serving this location is:

   Muni Bus Lines: #14, #14L on Mission Street; # 42 on Van Ness Avenue;
   #26 on Valencia Street; #71 on Noriaga Street; #9 on Market Street.
   Muni Street Cars: K, L, M, N, stops at Van Ness Station.

   For further information about MUNI accessible services, call MUNI's Elderly and Handicapped Program at 923-6142, TDD 923-6366.

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 376

June 13, 1996

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ATTENDANCE:

Department of Public Works

Bureau of Engineering

Amy Chow	554-8249
Zhiming Fan	554-8261
Berhane Gaime	554-8271
Robert Mason	554-8251
Dave Moore	558-4566
Joe Norris	554-8274
Eric Omokaro	554-8320
Carmen Talavera	554-8261
Thomas Won	554-8275
Dot Yee	558-4050

Bureau of Street and Sewer Repair

☛ **(Representative not present)**

Bureau of Street Use Management

☛ **(Representative not present)**

DPW Public Affairs

☛ **(Representative not present)**

Department of Parking and Traffic

Scott Broady	554-2326
Adam Gubser	554-2342
Peter Tannen	554-2396

MUNI Engineering

☛ **(Representative not present)**

San Francisco Port Authority

Skip Zeller	274-0552

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department

City Distribution Division

Joe Pelayo	550-4916

Caltrans

Karen Ashe	557-7052
Mohammed Jirde	510-286-4755
Arvind Joshi	510-286-4889

Pacific Bell

Bob Pickard	542-9050
Gil Sams	542-7428

Pacific Gas & Electric

Gil Munoz	695-3550

SF Thermal

☛ **(Representative not present)**

Viacom Cablevision

David Walunas	863-8500

Teleport Communications

☛ **(Representative not present)**

ICG Access Services

☛ **(Representative not present)**

Navigation Technologies

Jennifer Wylie	707-763-2024

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 376
June 13, 1996

The May 9, 1996 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Ms. Ashe reported that a drainage problem is being resolved in the China Basin structure where one of the columns discharges into the railroad yard instead of a storm drain. She asked if PG&E needed a permit for traffic control where their work in the Caltrans right of way requires displacing traffic next to it. Mr. Broady referred her to the DPT Blue Book and noted that a new edition is due in September. She also needs information on clearance standards for freeway structures close to the large sewers in 6th Street. Work on the steel portion of the Central Freeway will begin Monday with adjustment to the sewer in Dore Street between Bryant and Brannan. Work in the segment near San Bruno, Gaven, and Rickard is now near completion. Caltrans is working on traffic control plans at Polk/Fell/Market and at South Van Ness/Howard, in preparation for the demolition of the concrete portion. They are also trying to redesign the footings at 7th St to resolve conflicts with the large PG&E gas lines.

Curb Ramp Standards We have not heard anything new from last month.

Sewer Management System Mr. Won reported no new developments this month. Mr Mason recommended checking the Sewer 5 Year Plan report each month, which changes often.

Status Report Clearances Ms. Chow reported that we have added about a thousand new streets into the CULCOP process for clearance. We will be drawing from this list for the next five years. We will meet with the major utilities to refine and reschedule the paving candidates to avoid scheduling conflicts and violation of moratoriums. Pending that resolution, the list is still preliminary and can be expected to change. Members should give priority to the listing of streets still needing clearance for imminent construction. Ms. Chow ask members to use the clearance forms in the first section of the CULCOP status report.

Stick Map Ms. Chow presented a map and a tabular report showing streets our records indicate as Caltrans-owned. The list is still under review by Caltrans. Similar plots and the corresponding tabular reports can be obtained by calling Ms. Chow or Mr. Norris. Mr. Broady asked if these were the streets that require Caltrans encroachment permits; Ms. Ashe replied they were. Mr. Sams inquired what standards applied for plating, traffic control, and the like. Ms. Ashe referred to the Caltrans Standard Plans.

Mr. Zeller asked if the ownership of The Embarcadero between Vallejo and Howard had been settled yet. Ms. Ashe replied it was not yet final. Mr. Joshi suggested calling Dan Murphy of the Caltrans legal department for current information.

Uretek Slab Leveling Process Mr. Mason reported some success with testing at two locations on Mission Street. We are considering an as-needed contract.

NEW BUSINESS

DPT Blue Book & Traffic Loops and Stripping

Mr. Broady gave a brief status of the new Blue Book. Mr. Broady indicated the Blue Book is currently being updated and the new edition will be available this September. Mr. Rickard noted that the Blue Book information could be plotted using the stickmap. This map can indicate streets with special restrictions. Mr. Broady and Ms. Chow will be looking into developing this map.

Mr. Broady noted problems with loop detectors being removed or damaged in the course of resurfacing or trenching projects. The agency excavating sites with signal loop detectors must inform DPT, so that the damaged loops can be replaced. Mr. Pickard noted that the buried loops should be USA marked along with the other facilities. Mr. Broady indicated a current listing of loop locations already exists and he is working with Ms. Chow to incorporate the information into the existing paving process.

Mr. Broady also noted occasions in which new striping, traffic bars, and such were paved over by BSSR. DPT's shop needs to know when BSSR will pave so they can adjust their schedule. Mr. Mason explained that when a construction date appears for a BSSR job, this indicates that BSSR can start paving as of the construction date. However, we do pull streets when we receive last-minute notice of utility work, and some streets require a 90-day process to trim sidewalk trees to allow access for the paving machinery. In most cases, a street with a construction date will be paved that month or very soon after.

F-Line Coordination Mr. Mason reported meeting with representatives of the Fisherman's Wharf Association, utility companies, and the CAO's Office regarding the F-Line project. The merchants had concerns about other utility work in the area that might compound the impact of the Muni work. Please note any utility work for your agency within the next five years on the attached list and return it to us so we can coordinate.

Bayshore Via Duct Project Mr. Joshi presented an aerial photo of the existing I-80 with an overlay of Caltrans' plans for retrofitting the elevated structure between 16th St and the Bay Bridge. The work consists of enlarging footings and increasing stiffness of the structural decking. The work will be phased over a three year period, beginning in 1997. Most of the surface streets will remain open, with some temporary rerouting of the on and off ramps between 5th and 6th Streets. Mr. Joshi can be reached at (510)286-4889, if there are any questions in the future.

San Francisco Bicycle Program Mr. Tannen presented the current state of the San Francisco Bicycle Program. This program is a joint effort of the bicycle task force and a consultant to identify and improve a comprehensive bicycle route through out the city. This bicycle route combines feasible grades, traffic safety, and access between parts of the City. A federal grant has been provided to the program to re-stripe, sign, and improve the bicycle lanes. Enclosed is a pamphlet of the San Francisco Bicycle Program and a list of streets to be re-striped for bicycle lanes. Mr. Tannen emphasized that the stripping projects should be coordinated with paving work, so that newly striped streets will not be resurfaced. Questions and comments can be addressed to Mr Tannen at 554-2396.

GIS Presentation Mr. George White has provided the enclosed article on creating digital orthopotographs, *San Francisco Hills Challenge Orthorectification Process.* The article discusses the technical challenges involved in San Francisco's GIS Basemap project.

The next meeting will be at 10:00 am Thursday, July 11, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

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CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO BICYCLE PROGRAM ·
25 Van Ness Avenue, Suite 345
San Francisco, California 94102

SAN FRANCISCO
DPT
DEPARTMENT OF PARKING & TRAFFIC

San Francisco Bicycle Program

25 Van Ness Avenue, Suite 345
San Francisco, California 94102

WELCOME BICYCLISTS, TO THE FUTURE SAN FRANCISCO!

A welcome to bicyclists who go beyond the City's "Transit First" policy by choosing to commute, do chores, or simply recreate on bicycles. Nothing feels so free as having the wind blowing through your hair, the sun on your back, and viewing our beautiful neighborhoods from a bike.

As the Vice President of the Parking and Traffic Commission, I am committed to making San Francisco a bicycle-friendly city, with more on-street amenities for cyclists than any city in California. We are fortunate to have voter support of the new PacBell Ballpark, located on the bay side of The Embarcadero crown of flat surfaces and beautiful vistas. The Giants have envisioned several thousand bicycle parking spaces available so that people from all corners of the City can bike to the Ballpark.

CalTrain cannot be complimented enough for their foresight in providing special bicycle cars for those riders from the Peninsula who choose to ride the trains to and from San Francisco and bike within the City.

BART allows bikes on trains during non-commute hours and AC Transit is installing bike racks on the front of certain buses to aid bicyclists in commuting to and from hilly locations. Hopefully MUNI will not be far behind in installing bike racks on the front of our buses that will aid San Franciscans from hilly neighborhoods, such as Potrero Hill, Russian Hill, Telegraph Hill, and Pacific Heights.

The installation of bicycle racks and lockers will enhance the ease with which bicyclists will be able to shop, eat, and recreate in San Francisco. DPT, through its able Bicycle Program Manager (and engineer), Peter Tannen, has designed bike lanes, installed bike-safe catch-basin drain grates, and marked traffic signal sensors for cyclists to ensure a safe and smooth ride for bicyclists. The DPT will be initiating a share-the-road education program targeting car drivers to remind them to be careful when exiting the drivers' side by looking for bicyclists on the left side and to be aware of bicyclists when making right-hand turns.

The Department of Parking and Traffic and the Parking and Traffic Commission look forward to working with all people of San Francisco in maintaining the smooth flow of traffic, the availability of parking, the safe perambulations of pedestrians, and our environmentally enhanced bicycle program.

Sharon L. Bretz

Sharon L. Bretz
Vice President
Parking & Traffic Commission

SAN FRANCISCO BICYCLE PROGRAM

The San Francisco Bicycle Program, one of the functions of the Department of Parking and Traffic (DPT), oversees just about everything concerning bicycling in San Francisco. This innovative and exciting program is currently staffed by San Francisco's first Bicycle Program Manager and an assistant.

This program benefits everyone who bicycles in San Francisco for transportation or recreation. It has made a significant contribution to Bay Area transportation by improving bicycle facilities, promoting bicycling in general and bicycle safety in particular, and obtaining increased bicycle funding. Some of its projects have also improved the connectivity of the regional transportation system by providing improved bicycle access across bridges and on transit. It has made bicycling a safer, more convenient, and more viable transportation mode for those served (ie: all those who bicycle in San Francisco). In the absence of this program, many people who bicycle in San Francisco might choose other transportation modes, including driving automobiles, instead of bicycling some or all of the time. Thus, the program has decreased the city's traffic congestion and air pollution.

The Department of Parking and Traffic is introducing this quarterly newsletter to provide information about recent accomplishments of the Bicycle Program. This premiere issue describes a few of the new Bicycle Program projects. It illustrates, by specific examples, how the program is making San Francisco a more bicycle-friendly city. The purpose of this newsletter is to provide information to San Francisco cyclists and potential cyclists and to involve them in the future progress of this program.

As our first publication endeavor, we welcome your suggestions for a newsletter name and solicit your feedback on this first issue. The next issue of the San Francisco Bicycle Program will feature an update on the bicycle plan, funded by the San Francisco County Transportation Authority. DPT expects to present the plan for approval late this spring.

COMMUTER HOTLINE

(415) 585-BIKE

BICYCLE COMMUTING INFORMATION HOTLINE

The Department of Parking and Traffic's Bicycle Program has obtained funding from the Bay Area Air Quality Management District (BAAQMD) for the creation of a San Francisco Bicycle Commuting Information Hotline. The hotline, easily accessible from any telephone, will provide comprehensive information about bicycle commuting in San Francisco (as well as connections to the rest of the Bay Area). Callers will be able to leave messages and request informational material, such as safety brochures and personalized bicycle route maps (showing highlighted routes recommended for the caller's ride to and from work).

The project's goal is to reduce air pollution by encouraging a shift from auto driving to bicycling by providing crucial information needed to bicycle safely in the dense San Francisco urban environment. One major reason that more people do not commute by bicycle is the lack of a "support network." Bicycle commuters do not have ready access to information that motorists and transit users take for granted. We hope to provide comparable information for cyclists.

Preparatory work has been completed. The hotline will begin operation soon, so cyclist can take advantage of dry weather and longer daylight hours. If you know someone who is new to bicycle commuting or a veteran commuter, please inform them about our new service. If you have any questions or comments, please leave a message for Adam Gubser of the Bicycle Program at the new hotline number: 585-BIKE.

This hotline has been funded in part by a Transportation Fund for Clean Air Grant from the Bay Area Air Quality Management District.

THE NEW BICYCLE ROUTE SIGNS

BICYCLE ROUTE SIGNS AND BICYCLE ROUTE SYSTEM

The City and County of San Francisco has initiated a request for and has obtained state approval for unique signage to mark the first network of numbered bicycle routes in California.

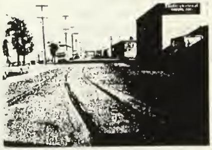
These rectangular signs, designed by DPT Traffic Engineer, Scott Broady (shown on the newsletter cover) feature a large bicycle and route number on a green oval. At the top, there is a graphic of the Golden Gate Bridge over a layer of fog. The signs will include information on destinations and travel directions. The route system is divided into two classes. Primary crosstown routes will feature a full color graphic of the bridge. Local neighborhood routes will have a graphic that is entirely green and white.

The numbering system, based on federal highway methodology, uses odd numbers for north-south routes, and even numbers for east-west routes. Loops and spurs have three-digit designations. The system is laid out on a grid with the lowest numbers (5 and 2) originating in the northeast part of the city, progressing to the highest numbers in the southwest (95 and 98). Numbers were selected in such a way that new routes can be easily inserted between existing ones, while maintaining the numerical progression. No number duplicates a state highway number within the city.

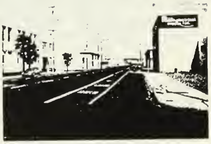
The goal of this sign project is to promote bicycle use by making the public more aware of the bicycle as legitimate transportation mode. The signs will direct cyclists, wherever possible, to the most direct and least hilly routes between major destinations. They will also serve to remind motorists that they are sharing the road with cyclists who are traveling on an official bicycle route.

BICYCLE ROUTE IMPROVEMENTS

Looking East from De Haro Street...



16th Street before railroad track removal



16th Street after railroad track removal

LOCKERS AND RACKS

The Department has initiated two projects that address a common concern of cyclists after they reach their destination ... parking. One project is the installation of bicycle lockers to encourage cycling and lessen traffic congestion, and air pollution, especially downtown. They provide secure protected bicycle storage for regular commuters and eliminate the daily hassle of finding a bicycle parking space. Each renter receives a locker key and has exclusive use of the space. Bicycle lockers are available at the following locations for immediate rental: Sutter/Stockton Garage, Fifth/Mission Garage, Transbay Terminal and California Pacific Medical Center (CPMC) at the Clay/Webster Garage.

The lockers can be rented for $25 for three months, $45 for six months or $75 for one year. They are available on a first-come, first-served basis. Future lockers will be installed at San Francisco General Hospital and other sites as well.

The DPT also has a bicycle rack installation program. Its purpose is similar to the bicycle locker program, but it is geared more towards short-term parking. Businesses can apply for rack installation in a public place. Instead of locking their bicycles to a sign or parking meter post, cyclists can fasten their bikes more securely on specially designed racks, such as the inverted U-rack. Racks are typically installed on wide sidewalks, to avoid obstructing pedestrians. Bicycle racks must be located in the sidewalk area fronting the applicant's property. There is a $50 permit fee and an additional $24 fee for notarization and recordation. For more information or for an application form for a bicycle locker or rack, please leave a message for Manito Velasco at the new hotline number: 585-BIKE.

These lockers have been Funded in part by a Transportation Fund for Clean Air Grant from the Bay Area Air Quality Management District.

BICYCLE LANE STATUS REPPORT

Street	From	To	Length (Mi)	Cost	Anl	Str Dwg	Appvd	Pre-Staff	ISCOTT	Pub Hr	PTC	Bd Com	Resoltn	Sign Dwg	Strpd	Sgnd	Tech Notes	Political Notes	Done	AB434	Stf	B Ct	A C
3rd	King	Mariposa	1.2	$31,000															NO	YES		NEED	
5th																			NO				
7th	Lincoln Way	Laguna Honda			NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		SFBC wants these lns	NO	NO	CL		
11th	Howard	Harrison	0.3	$5,800	YES	YES	PEND	NO	NO	NO	NO	NO	NO	NO	NO	NO		-	NO	YES	KO	NEED	
11th	Howard	Market			YES	YES	PEND	NO	NO	NO	NO	NO	NO	NO	NO	NO	Angle pking - 1/2blk	-	NO	NO	KO		
16th	3rd	Pennsylvania			-	YES	YES	YES	YES	YES	YES	YES	536-95	NO	NO	NO	rr trks rmvd in 97	-	NO	YES	JOR	NEED	
16th	DeHaro	Kansas			-	YES	YES	YES	YES	YES	YES	YES	536-95	NO	NO	NO	to be rsfcd fall 96	-	NO	YES	JOR	NEED	
16th	Mississippi	DeHaro			-	YES	YES	YES	YES	YES	YES	YES	536-95	NO	YES	NO	Tape not inlaid	-	NO	NO	JOR		
Arguello	Fulton	West Pacific			YES	PEND	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Lane reduction; MUNI	?	NO	NO	RO		
Dewey	Laguna Honda	Taraval	0.4	$7,400	-	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Cvt edge lines to BL	Cncrn 2 abrst drving	NO	YES	AG	NEED	
Folsom	Embarcadero	Main			YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Do not strp-Changing	-	NO	YES	JOR		
Folsom	Essex	11th	1.4	$13,000	YES	YES	YES	YES	YES	PEND	NO	NO	NO	NO	NO	NO	-	-	NO	YES	JOR	NEED	
Folsom	Main	Essex			YES	YES	YES	YES	YES	PEND	NO	NO	NO	NO	NO	NO	-	-	NO	YES	JOR		
Geneva	Mission	County Line	1.3	$24,000	PEN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	DPW STP project	-	NO	YES	CL	NEED	
Golden Gate	Lyon	Market			YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Needs further anal	Central Fwy	NO	NO	CL		
Harrison	11th	14th	0.2	$12,000	PEN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		Angle parkimg ?	NO	YES	ET	NEED	
Harrison	14th	16th	0.2	$3,600	PEN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		Angle parkimg ?	NO	YES	ET		
Harrison	22nd	Army	0.6	$11,000	PEN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		Angle parkimg ?	NO	YES	ET	NEED	
Howard	Embarcadero	11th			YES	YES	NO	YES	YES	PEND	NO	NO	NO	NO	NO	NO	Resrf:1-3/1-6;W C Ln	6th St. Tow-away	NO	NO	MV		
King	2nd	3rd			-	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Emb. prj extension		NO	YES	AH	NEED	
Laguna Honda	7th	Clarendon	0.3	$17,000	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Painted median	-	NO	YES	CL	NEED	
Laguna Honda	Clarendon	Woodside	0.3	$3,600	-	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	-	-	NO	YES	CL	NEED	
Lyon	Chestnut	Lombard			-	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	5-1/2′	Lane narrowing Proj	NO	NO	KO		
Lyon	Francisco	Chestnut			-	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	6′	Lane narrowing Proj	NO	NO	KO		
Mansell	San Bruno	University			-	YES	YES	YES	YES	YES	YES		>4/19/96	NO	NO	NO	-	Lane narrowing Proj	NO	NO	CL		
Marina	Laguna	Baker	1.1	$10,000	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		Concerned nbrhood	NO	YES	KO	NEED	
Polk	Vallejo	Northpoint	0.6	$11,000	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO			NO	YES		NEED	
Townsend	4th	Division	0.85	$15,000	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Unaccepted		NO	YES	CL	NEED	
Turk	Arguello	Lyon			YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Needs further anal	Central Fwy	NO	NO	CL		
Valencia	Market	Mission	0.9		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	-	Traffic vol & SFBC	NO	NO	MV		
Webster	Grove	Bush	0.7	$22,000	-	YES	YES	YES	YES	YES	YES	NO	>4/19/96	NO	NO	NO	-	-	NO	YES	JOR	NEED	

San Francisco Hills Challenge Orthorectification Process

By Kevin P. Corbley

Creating digital orthophotographs for an urban area in hilly terrain poses significant photogrammetric challenges. In an ongoing mapping project, the city and county of San Francisco pushed orthorectification technology to its limits by requesting an orthophoto basemap with 3-inch resolution and 2.5-foot accuracy.

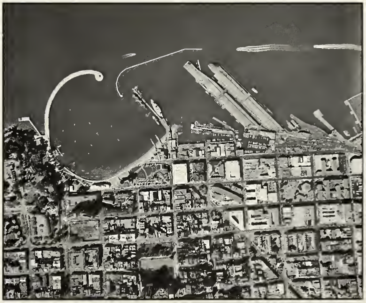
In 1992, as part of a regional strategic plan, San Francisco decided to develop a centralized basemap that all city and county agencies could use to create virtually any digitized map they might need for planning, engineering and construction. Included in the project will be parcel maps for tax assessment, street centerlines for emergency routing, and major feature and building footprints for general planning.

"To create the basemap, coordinate geometry was considered but rejected because of the expense involved," said George White, program director for the Department of Public Works, Office of Capital Resource Management. "Scanning existing paper maps was affordable but wouldn't have provided the necessary accuracy."

Digital orthophotography was chosen for its combination of affordability and its high accuracy and resolution. A committee of municipal departments debated the resolution and accuracy question at length before finally coming to a consensus on acceptable parameters.

The committee determined a pixel resolution of 3 inches was required so the basemap could be used to inventory municipal property, including objects as small as manhole covers and street lights. One future beautification project will even use the basemap to locate and maintain individual trees along roadways.

The 2.5-foot accuracy was chosen primarily to create an extremely precise street centerline map that will be used in a vehicle navigation and routing project now under development for the city's police, fire and rescue squads. The centerline information must be accurate enough to update and correct commercially purchased digital transportation maps.



Above: High quality orthophoto of Ghirardelli Square, Fisherman's Wharf, Aquatic Park and the Hyde Street Cable Car Line in San Francisco, Calif.
Left: Downtown San Francisco with Golden Gate Bridge in the background

The Bay Area's famous hills present technicians with numerous challenges to orthorectification, including distortion of highway overpasses and bridges.

"We figured that any application requiring better accuracy than 2.5 feet would involve a ground survey anyway, so there was no need for the basemap to be more accurate," said White.

Collecting Aerial Photos

In 1993, Public Works awarded the aerial survey contract to Hammon, Jensen, Wallen & Associates (HJW), an Oakland, Calif., photogrammetric engineering firm that specializes in digital imagery and GIS services. HJW later won the contract to create the digital orthophotos from the aerial photos.

HJW's Pacific Aerial Surveys division acquired 275 aerial photos covering the 49-square mile San Francisco area. The firm also provided ground control and aerotriangulation necessary for digital terrain model extraction.

"Achieving a quarter-foot pixel resolution starts with the aerial survey," said Mark Safran, HJW's director of marketing. "The altitude must be low enough that details in the photos are not lost during scanning."

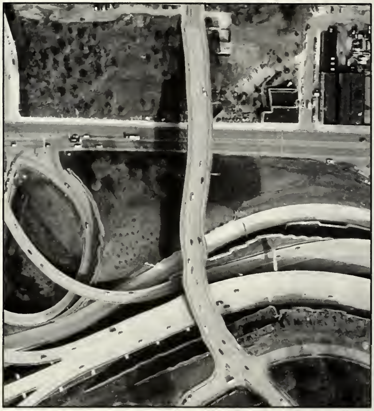
The photos were taken at an altitude of 3,300-feet above ground level, to provide a map scale of 1 inch equals 550 feet. Over the downtown area, which has numerous skyscrapers, HJW switched from a 6-inch to 12-inch focal length camera and increased altitude to 6,600 feet. This minimized the effect of building lean in the resulting high resolution photos.

HJW scanned the photos on a Vexcel VX3000 scanner at a resolution of 2,200 dots per inch to achieve the 3-inch pixel resolution.

Terrain Challenges

A major challenge to collecting DTMs in hilly, urban terrain like San Francisco's is the smear that can be created around manmade features due to abrupt changes in topographic relief. The classic example, of which many exist in San Francisco, is that of a building erected on a hillside. One side of the building may rise 50 feet above the ground, while the back side may rise 100 feet off the ground if it is on a steep slope.

Golden Gate Bridge, San Francisco, Calif.



Orthophoto showing bridge being influenced by surface terrain.

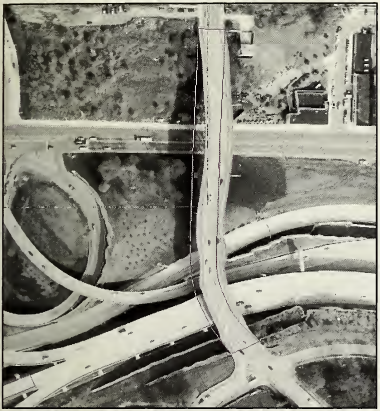
Any well-defined feature such as a building, road or retaining wall located along a sharp slope can create what looks like a smear on the orthophoto if the differences in ground elevation on two sides of the feature are not taken into account during DTM collection, explained Bill Zeman, HJW's project manager for the San Francisco program.

"When the technicians picked DTM points in the stereoplotter, they were careful to pick additional points along streets and on all sides of buildings, especially if there were breaklines on one side of the building," said Zeman. "This improved the accuracy of the DTM in the hilly San Francisco terrain."

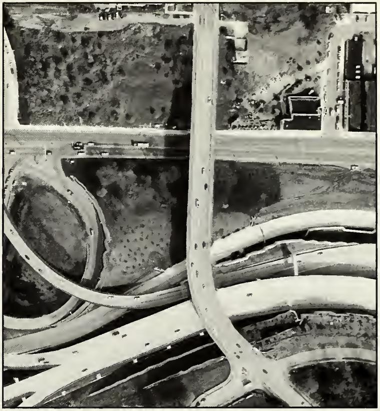
The Bay Area's famous hills presented HJW technicians with numerous opportunities to deal with another challenge to orthorectification — distortion of highway overpasses and bridges. If the sudden dips in elevation beneath bridges and overpasses are not considered during DTM extraction, the orthographic positions of these features will be incorrect in the final orthophoto.

"The overpass appears to dip down because it will follow the terrain below it unless there is compensation," said Safran. "This induces significant errors in accuracy to any street or transportation maps digitized from the orthophoto. The overpass will appear to zigzag when it's actually straight."

HJW performs orthorectification with an in-house Unix-based software package called OrthoView. When HJW developed this orthorectification software, it built in a capability to eliminate the distortions related to overpasses and bridges.



Orthophoto showing digitized outline of bridge's true location.



Orthophoto showing bridge corrected to true location.

As the stereoplotter operator collects DTMs, a polygon is also collected around any bridge or overpass. During orthorectification, the software takes into account the change in elevation and relative height of the overpass and places it in its correct orthographic position. OrthoView then automatically fills in the relic smear on the orthophoto where the feature had been incorrectly located.

The project area contained more than 100 overpasses or bridges that required the automated technique. About 30 percent of the 250 orthophotos contained overpasses.

The Next Phase

HJW created a second set of resampled orthophotos with 1-foot pixels because the file sizes of 3-inch orthophotos are too large for many San Francisco agencies to handle. A single 3000 x 2000-foot orthoimage at 3-inch resolution consumes 100 megabytes of disk space. Prior to delivery of hard and softcopy orthophotos, HJW also formatted and annotated each orthophoto using both NAD 27 and NAD 83 coordinate systems, both of which are used by city agencies.

The Department of Public Works has taken delivery of the digital orthophotos and has contracted to have several thematic maps digitized for immediate use. The first maps created will be grade maps of rights of way and curbs, parcel maps of blocks and lots, feature maps of major city features and buildings, and the street centerline map. Digitizing is slated for completion in June 1996.

Public Works oversees the project and plans to create a centralized computer library where the orthophoto basemap and digitized maps can be accessed by all city and county agencies. Because so many agencies are involved in the project and each has its own applications with specialized software, Public Works is formatting all map files in ARC/INFO, MapInfo and AutoCAD.

"We'll have a centralized server to distribute the maps among agencies," said George White, "and we will encourage them to create map updates after they perform work and input that information back into the system so all departments are aware of changes."

By summer of 1996, San Francisco expects to have the centralized server up and running with the orthophotos and the digitized thematic maps. Public Works estimates the aerial survey, orthophoto basemap development, and digitization of the four thematic map layers will cost only $1 million.

About the author:

Kevin Corbley is a freelance writer specializing in remote sensing, GIS and GPS. He is located in Denver, Colo., and may be reached at 303-987-3979 or by email at 74452.2252@compuserve.com

EOM

MORE INFO

Hammon, Jensen, Wallen and Associates
8407 Edgewater Drive
Oakland, CA 94621
Telephone: 510-638-6122
Fax: 510-638-5628

Photo credit: Pacific Aerial Surveys

Friday, June 28, 1996

UPCOMING STREETS CLOSURES FOR SPECIAL EVENTS

EVENT	START DATE	END DATE	TYPE	STREETS	OK	
NEIGHBORHOOD BLOCK PART	7/4/96	7/4/96		37TH AVE: KIRKHAM TO LAWTON	4/25/96	
SF CHRONICLE 4TH OF JULY	7/4/96	7/4/96		FISHERMAN'S WHARF; JUSTIN HERMAN	5/23/96	
FILM SHOOT "SMILE LIKE YOUR	7/6/96	7/8/96		PINE:FRANKLIN TO VAN NESS	6/21/96	
FILLMORE STREET FAIR	7/6/96	7/7/96	FAIR	FILLMORE:JACKSON TO POLK	1/11/96	
FILM SHOOT "SMILE LIKE YOUR	7/6/96	7/7/96		AUSTIN:VAN TO FRA	6/21/96	
FILM SHOOT "SMILE LIKE YOUR	7/7/96	7/7/96		PINE:FRANKLIN TO VAN NESS	6/21/96	
STCC CONVENTION	7/7/96	7/7/96		CASTRO:18TH TO MKT.(1LANE TRAFFIC	4/25/96	
FILM SHOOT "SMILE LIKE YOUR	7/10/96	7/11/96		AUSTIN:VAN TO FRA		
FILM SHOOT "SMILE LIKE YOUR	7/10/96	7/11/96		PINE:FRA TO VAN (2 MOST SOUTHERLY		
BASTILLE DAY PARTY	7/12/96	7/15/96		CLAUDE LN: BUSH TO SUTTER	5/23/96	
CELEBRATION OF BASTILLE DA	7/13/96	7/15/96		BELDEN: PINE TO BUSH	5/23/96	
SF MARATHON	7/14/96	7/14/96	ATHLET	VARIOUS LOCATIONS	9/28/96	
BLUES ON POLK ST. FAIR	7/20/96	7/21/96	FAIR	POLK: BUSH TO JACKSON	1/11/96	
SF TRIATHLON	7/27/96	7/27/96	ATHLET	PT.LOBOS:45TH TO END; GREAT HWY	12/28/95	CANCELED
OBON ODORI	7/27/96	7/28/96		OCTAVIA:PINE TO BUSH	6/27/96	
UP YOUR ALLEY FAIR	7/28/96	7/28/96	FAIR	FOL:9TH TO 10TH; DORE:HOW TO FOL	12/14/95	
GRAND OPENING J. SANDER B	8/1/96	8/1/96		MAIDEN LN: STOCKTON TO GRANT		
49'ERS VS DENVER	8/3/96	8/3/96		CANDLESTICK (1 PM)		
NATIONAL INLINE SKATE SERIE	8/3/96	8/4/96		PIER 45 (PORT)		
NIHONMACHI STREET FAIR	8/3/96	8/4/96	FAIR	POST:LAGUNA TO WEBSTER	6/13/96	
CHASE CORPORATE CHALLEN	8/7/96	8/7/96	ATHLET	MKT:MAIN TO STEUART; STEUART: MKT	4/11/96	
16TH ST. BLOCK PARTY	8/10/96	8/10/96		16TH ST:VAL TO GUERR.(PARKING LANE		
49'ERS VS SAN DIEGO	8/10/96	8/10/96		CANDLESTICK (5 PM)		
VIETNAMESE WATER PUPPETS	8/10/96	8/11/96		PIER 45 (PORT)		
VIETNAMESE WATER PUPPETS	8/17/96	8/18/96		PIER 45 (PORT)		
49ERS VS JACKSONVILLE	8/18/96	8/18/96		CANDLESTICK (5 PM)		
ESCAPE FROM ALCATRAZ	8/18/96	8/18/96	ATHLET	MARINA BLVD:LAG TO BAKER-1 LANE ON	6/13/96	
UNION ST. BEAUTIFICATION BE	8/18/96	8/18/96		UNION:LAGUNA TO BUC:BUC:GREEN TO		
PISTAMAN	8/23/96	8/25/96		3RD ST:MIS TO HOW (2 WESTERLY LANE		
BLOCK PARTY	8/24/96	8/24/96		NORMANDIE:BROADWAY TO TERMINUS		
GIANT'S RUN TO HOME PLATE	8/24/96	8/24/96	ATHLET	VARIOUS LOCATIONS: CANDLESTICK PA	4/11/96	
TENDERLOIN MAKE A CIRCUS	8/24/96	8/24/96		JONES: EDDY TO TURK	6/13/96	
NEIGHBORHOOD BLOCK PART	8/25/96	8/25/96		EL MIRASOL:SLOAT TO CRESTLAKE		
CHINESES VOLLEYBALL TOUR	8/31/96	9/2/96		LOMBARD:POWELL TO MASON		
CYCLE MESSENGER WORLD C	8/31/96	9/2/96	ATHLET	VARIOUS LOCATIONS:FINANCIAL DIST	5/9/96	
49ERS VS NEW ORLEANS	9/1/96	9/1/96		CANDLESTICK (1 PM)		
IL GIRO DI SAN FRANCISCO	9/2/96	9/2/96		VARIOUS LOCATIONS:LEVI STRAUSS PL		
10TH ANNUAL PANCAKE BREA	9/7/96	9/7/96		PIERCE:CHESTNUT TO TOLEDO WAY	6/27/96	
49ERS VS ST. LOUIS	9/8/96	9/8/96		CANDLESTICK (1 PM)		
24TH STREET FAIR	9/15/96	9/15/96	FAIR	24TH ST.:MISSION TO YORK ETC.	6/27/96	
ANNUAL MARCH OF WITNESS	9/15/96	9/15/96		POWELL:BROADWAY TO VALLEJO; POR		
CHINATOWN MOON FESTIVAL	9/20/96	9/22/96	FAIR	GRANT:CAL TO PAC; WAS: WAVERLY TO	1/25/96	
1996 WEST PORTAL FINE ARTS	9/20/96	9/23/96		WEST PORTAL:14TH TO 15TH AVES.		
NEIGHBORHOOD BLOCK PART	9/21/96	9/21/96		28TH AVE: LINCOLN TO IRVING		

Department of Public Works **Bureau of Street-Use & Mapping**

RECEIVED
96 JUN -7 PM 4:38
PROJECT DEVELOPMENT

UNDERGROUND PLANNING MEETING

MEETING DATE: June 4, 1996

PRESENT:	Tom Trimbur	-	DPW/BSM	(554-6167)
	Peter Albert	-	DCP	(558-6310)
	Terry Bouey	-	VIACOM	(863-8500)
	Leo Ladner	-	PacBell	(542-9095)
	Chris Baker	-	PG&E	(695-3337)
	Ken Flinn	-	PG&E	(695-3394)
	Carlos DeAnda	-	PG&E	(330-2138)
	Don Stroh	-	Dolores Hts. Improv. Club	(826-8296)
	David Evers	-	Dolores Hts. Improv. Club	(285-4610)

DISCUSSION:

A. PROJECT STATUS

1. UGD 318 - DOLORES HEIGHTS ASSESSMENT DISTRICT

PHASE 1 - Mr. Ladner reported that the bidding process had been halted for a month while changes for the inclusion of additional VIACOM conduit were made. The contractor is scheduled to deliver the revised documents 5 June. Mr. Ladner indicated that PacBell would require 10 days to two weeks to prepare the package to bid. Bids should be received and contract awarded by the next monthly meeting.

Mr. Trimbur stated that he would be including the streetlighting portion for Dorlan and Dolores Terrace in Phase I, since Mr. Baker will be putting this portion out separately with the gas main replacement in the area. Mr. Trimbur requested light feed locations (or an additional copy if already supplied).

Mr. Trimbur reported that the streetlight contract would include a number of shields to be supplied. These would be installed via requests through Hetch Hetchy's Bureau of Light Heat and Power.

PHASE 2 - PG&E proceeding with preliminary design.

2. UGD 310 - PRESIDIO HEIGHTS

PHASE 1 - Public hearing held on May 15 for the six non-converted properties in Presidio Heights Phase I. Mr. Ladner reported that about half of those had completed conversion work. Mr. DeAnda will supply listing of additional properties that have not converted. Mr. Trimbur requested information on disk if possible and names and telephone numbers of owners, if available, so that he could contact them directly.

PG&E reported that installation of feeds to "stranded" streetlights to be completed this week.

PHASE 2 - Mr. Trimbur reported that streetlighting design for Phase 2 was in progress and that the City would provide PG&E with light pole locations in the next few weeks.

Mr. Baker reported PG&E design on hold since no response from other utilities. Mr. Ladner said that PacBell's progress is being delayed due to short staffing. VIACOM has not begun design and requested copy of Notice of Intent.

3. UGD 319 - HARRISON STREET BETWEEN 10TH & 11TH

Mr. Trimbur will proceed with abatement process and is proposing to have City forces do the work. He will send letter (through Director) by end of week.

4. UGD 320 - BREWSTER/JOY

City's contract awarded. There will be a community construction kickoff meeting June 11th to discuss the construction process, schedule, and property owner responsibilities.

5. UGD 321 - INDIANA STREET/ISLAIS CREEK

No report.

B. OTHER BUSINESS

1. City and utilities to review boundaries of the Banks/Chapman Area.
2. A public hearing was held on undergrounding of utilities in conjunction with widening of Cesar Chavez Street. Mr. Trimbur to transmit legislation to Board this month.
3. Mr. Trimbur distributed copies of legislation for UGD 311, Certain Streets in the Twin Peaks Area, which includes the Pemberton Steps. Since the City has funding for lighting on the stairway, the Department proposes to proceed with the undergrounding in the stairway area at this time.
4. Mr. Trimbur has not had time to investigate undergrounding on 22nd between Taraval and Santiago along McCoppin Square.
5. Mr. Trimbur will pursue a public hearing on undergrounding of the Bayshore Weave this month. He will recommend that the district include the area from Marin to Oakdale.
6. Mr. Trimbur will pursue a public hearing on the undergrounding of the Duboce/Church area. This district may be engineered and constructed in two phases to accommodate MUNI's scheduling needs for their construction on Duboce at Church.
7. Mr. Trimbur will prepare an overall schedule for projects. This will include capital projects, Islais Creek, Pemberton Steps, Cesar Chavez, Duboce/Church, Bayshore Weave, Banks/Chapman, in addition to other currently legislated districts, Presidio II, III, IV, Dolores I & II, Alpine Terrace/Museum Way, and those to be legislated, Gough/Green, Inner Sunset, Liberty Hill, Laidley, Texas/19th, Duncan Newburg, and proposed Richmond district areas.
8. Mr. Ladner reported that PacBell's engineering for undergrounding projects, including Presidio Phase II and Dolores Phase II, were being delayed due to lack of engineering staff. He indicated that PacBell's first commitment is to services and that the undergrounding program is discretionary after service. Mr. Trimbur indicated that since the City intended to accelerate the undergrounding program, and since PacBell's inability to provide engineering was hampering the City's ability to expend their 20A allocations and delaying the undergrounding program, he would be reporting this situation to DPW management.

THE NEXT MEETING WILL BE HELD ON TUESDAY, 2 JULY, AT 9:00 A.M. AT 875 STEVENSON STREET, FOURTH FLOOR, BSM CONFERENCE ROOM.

cc: All Attendees
CULCOP - thru Joe Norris
Ray Gigliati - BSM
Hin Lok Kung - BOE
Jack Donohoe - DET
Charles Germer - PG&E
Manfred Wong - PMD
David Assadurian - PacBell
Terry Bouey - VIACOM
Brian Gatter - BOE/Landscape
Carlos DeAnda - PG&E
Denise Brady - BSM
Cynthia Chono - BSM
Ray Yamagishi - BLHP
Larry Fitzgerald - MUNI
Sam Lauter - PG&E
Carol Finucane - BOE
Peter Albert - DCP
Leo Ladner - PacBell
Lesley Wong - DPW/BOE/S&H
Joe Morino - DHIC
Norman Chan - BOE
Tom Flahavan - DET
Mike Callow - VIACOM
Dee Lemmon - BLHP
Joe Ovadia - PMD
Naoki Kaku - BOE
Lynn Bunim - PacTel
Chris Southard - PG&E
Amy Powell - D.H. Improv. Club

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City and County of San Francisco

Department of Public Works
Bureau of Engineering

UTILITY COORDINATION REPORT

for May 21, 1996 to June 28, 1996

Notice of Intent and Request for Information Issued:	**Date**
1109N - Cesar Chavez Widening Project	06-06-96
----N - Sunnydale Sewer Improvement	06-13-96
7130E(b) - Seismic Retrofit of Ingerson Avenue Viaduct	06-20-96
7034E(d) - Seismic Retrofit of Steiner Street at Geary Expressway	06-20-96
1091N - Various locations South of Market Street District Track Removal and Pavement Renovation	06-21-96
7179E - Richmond Transport	06-21-96

Final Preliminary Plans Issued:	
1057N - Various Locations Buena Vista District Pavement Renovation	05-29-96
1293E - Galvez Avenue and Third Street Pavement Regrading.	06-20-96

State of California:	
04220-191891 - Traffic Operation Systems	06-12-96
04249-0434L1 - Seismic Retrofit of Yerba Buena Tunnel	06-18-96

Other	
Proposed Changes in Official Sidewalk Width at the Intersection of Randolph and Arch Streets and at the Intersection of Broad Street and Plymouth Avenue.	06-03-96
Proposed Sidewalk Width Changes on Oakdale Ave. Overhead between Phelps and Quint Sts.	06-21-96
Proposed Sidewalk Width Changes on the Southwesterly Side of Corbett Avenue Southeasterly of Iron Alley	06-25-96

PROJECTS IN PROGRESS

revised 6/28/96:LOG.XLW

PROJECT #	PROJECT COORDINATOR	PHONE	PROJECT TITLE
----N	GENE HANDA	554-8341	SUNNYDALE SEWER IMPROVEMENTS
----N	ERIC KJELSERG	554-8277	FISHERMAN'S WHARF TRIANGLE & PLAZA IMPROVEMENTS
1004N	RUFINO DE LEON	554-8945	EVANS AVENUE AT POST OFFICE: STREET REGRADING (PR)
1022N	LESLEY WONG	554-8261	HAIGHT AND PAGE STS (PR)
1036N	LESLEY WONG	554-8252	FOURTH STREET (PR)
1057N	NAOKI KAKU	554-8246	VARIOUS LOCATIONS, BUENA VISTA DISTRICT PAVEMENT RENOVATION
1083N	RUFINO DE LEON	554-8245	LYON ST. AND PRESIDIO AVE. (PR)
1091N	ED CHOY	554-8284	VARIOUS LOCATIONS SOUTH OF MARKET REMOVAL & PAV. RENOV.
1100N	MARTHA KETTERER	554-8296	ECKER STREET, MISSION STREET TO ELIM ALLEY
1109N	LYNN NAKASATO	554-8269	CESAR CHAVEZ (ARMY) STREET WIDENING
1133N	RAMON KONG	554-8256	FULTON STREET ROADWAY WIDENING
1138N	IQBAL DHAPA	554-8337	FAIRMONT AND RANDALL STS. (SR)
1148N	BHULA PATEL	554-8324	MOULTON FROM WEBSTER TO BUCHANNAN STS. (SR)
1151N	PAK CHOI	554-8283	CHINATOWN LIGHTING IMPROVEMENTS, PHASE III
1155N	BIRGIT CHASE	554-8336	CHESTNUT ST./PACIFIC AVE. (SR)
1168N	JOHNNY VILLASICA	554-8338	FLORIDA ST. (SR)
1184Nold	PAK CHOI	554-8283	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #10
1184N	PAK CHOI	554-8283	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #10
1185N	KEN CHU	554-8271	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #11
1188N	BHULA PATEL	554-8324	GRANT AVE./CHESTNUT ST. (SR)
1195N	GYEE YANG	558-4553	MARKET AND STEUART STS AWSS RELOCATION
1198N	RUFINO DE LEON	554-8245	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #12
1202N	LINDA LEONG	648-6882	NORTH POINT PLANT IMPROVEMENT, PHASE II
1203N	BIRGIT CHASE	554-8336	LYON/BAKER/WASHINGTON STREETS (SR)
1209N	PETER CHENG	554-8348	LARKIN STREET/GREENWICH STREET (SR)
1210W	PETER CHENG	554-8348	WESTSIDE ACTIVATION: SEWER CONSTRUCTION
1218N	CLIFF WONG	554-8339	MARKET, LARKIN, & HARRISION STS (SR)
1219N	PETER CHENG	554-8348	BUCHANAN, STEINER AND PIERCE STREETS SEWER REPLACEMENT
1272N	BHULA PATEL	554-8324	LYON, SACRAMENTO AND POST STREETS SEWER REPLACEMENT
1239W	WALLIS LEE	554-8344	RANKIN PUMP STATION SEWPCP 1 & 1A
1243E	RONALD CHENG	558-4049	MARINA SEAWALL AND ROADWAY IMPROVEMENT
1252N	PETER CHENG	554-8348	SHOTWELL STREET (SR & PR)
1253N	IQBAL DHAPA	554-8339	TWELFTH STREET (SR)
1255N	BHULA PATEL	554-8324	SAN JOSE AVENUE (SR)
1256N	BIRGIT CHASE	554-8336	21ST/22ND/23RD STREETS (SR)
1272N	STEVE BUI	554-8298	ILLINOIS/CESAR CHAVEZ (ARMY) STS. SEWER CONSTRUCTION
1253N	RUFINO DE LEON	554–8245	GALVEZ AVENUE AND THIRD STREET PAVEMENT REGRADING
3180W	STEVE BUI	554-8298	YOSEMITE/EGBERT SEWER ENLARGEMENT PROJECT
6094Q	DEANNA CALLEROS	554-8266	MID EMBARCADERO PROJECT, REQUEST FOR UTILITY INFORMATION
6497E	EDWARD CHIN	554-8411	THE NEW CHINATOWN PARK (SIDEWALK RECONST.)
7034E(A)	LAURIE LAU	558-4530	FILLMORE ST. OVERCROSSING AT GEARY EXPRESSWAY (SEIS. RET)
7034E(B)	LAURIE LAU	558-4530	WEBSTER ST. PEDESTRIAN OVERCROSSING AT GEARY EXPRESSWAY (SEIS. RET.)
7034E(C)	LAURIE LAU	558-4530	SEISMIC RETROFIT OF MARKET VIADUCT AT 24TH STREET
7034E(D)	CHRIS NOCON	558-4054	STEINER ST. PEDESTRIAN OVERCROSSING AT GEARY EXPRESSWAY (SEIS. RET.)
7090E	ANDREW SHUM	431-9430	VARIOUS LOCATIONS MOTORIZED VALVES CONTRACT #2
7090E	EDWARD CHIN	554-8411	HANG AH ALLEY RENOVATION
7130E(A)	LAURIE LAU	558-4530	PORTOLA DR. PEDESTRIAN OVERCROSSING AT KENSINGTON WAY (SEIS. RET)
7130E(B)	CHRIS NOCON	558-4054	INGERSON AVENUE VIADUCT (SEIS. RET)
7223E	RAMON KONG	558-4055	OAKDALE AVENUE BRIDGE REPLACEMENT
7226E	MR. RON FONG	554-8273	VARIOUS LOCATIONS: CONSTRUCTION OF CURB RAMPS/CUTS
7233E	MS. SU-SYIN CHOU	554-8350	MARKET ST. SIDEHILL VIADUCT #3 (SEIS. RET)
7233E	SAED TOLONI	554-8325	PEMBERTON STAIR RECONSTRUCTION
7261E	NAOKI KAKU	554-8946	VARIOUS LOCATIONS IN THE SUNSET DISTRICT (PR)
7271E	GREG S CRUZ	554-8268	VARIOUS LOCATIONS: HAIGHT-ASHBURY & MISSION DIST (PR)
7284E	RAMON KONG	554-8256	LOMBARD ST., MONTCLAIR TERR STREET IMPROVEMENT
7291E	RUFINO de LEON	554-8945	OCEAN, SAN JOSE AVES -JUNIPERRO SERRA BLVD (PR)
7294E	CLIFFORD WONG	554-8325	KIRKHAM ST. & 23rd AVE - PHASE 2 (SR)
7437E	JUN CARANTO	554-8304	HOWARD, FOLSOM, & HAWTHORNE STS (PR)
7458E	GREG S CRUZ	554-8268	CLAY ST, GOUGH TO DRUMM STS (PR)
7519E	STEVE BUI	554-8298	GOLDEN GATE PARK BOND PROJECTS
7522E	JOHNNY VILLASICA	554-8394	TAYLOR AND JONES STREETS (SR)

PROJECTS IN PROGRESS

revised 6/28/96:LOG.XLW

PROJECT #	NEAREST DUE DATE	A T & T		BCM		BSSM/BSUM		DPT		ENV. ENG..	
		NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
—N	07/03/96 - N	?	—	?	—	?	—	?	—	?	
—N	08/14/95 - N	09/20/95	—	?	—	08/22/95		09/03/95	—	?	
1004N	09/06/94 - N	08/16/94		08/15/94	—	?		08/15/94	—	?	
1022N	1/30/95 - N	01/25/95		02/17/95				01/31/95			
1036N	8/10/95 - N	09/20/95	—	?	—	07/20/95	—	08/14/95	—	?	
1057N	01/05/96 - N	01/03/96	—	?	—	?	—	?	—	?	06/18/96
1083N	11/03/95 - N	11/14/95	—	?	—	?	—	10/30/95	—	?	
1091N	07/21/96 - N	?	—	?	—	?	—	?	—	?	
1100N	01/08/96 - N	?	—	?	—	?	—	12/18/95	—	?	
1109N	07/03/96 - N	?	—	?	—	?	—	?	—	06/07/96	—
1133N	09/05/95 - N	09/20/95	—	?	—	?	—	08/09/95	—	?	
1138N	07/24/95 - N	01/03/96	—	?	—	?	—	?	—	?	—
1148N	09/25/95 - N	09/20/95	—	?	—	?	—	09/27/95	—	?	
1151N	09/05/95 - N	09/20/95	11/14/95	?	—	?	—	08/11/95	11/16/95	?	
1155N	09/28/95 - N	09/20/95	—	?	—	?	—	09/19/95	—	?	
1168N	10/11/95 - N	?	—	?	—	?	—	?	—	?	
1184Nold	03/18/96 - N	03/22/96	—	?	—	?	—	03/06/96	—	?	
1184N	06/10/96 - N	05/29/96	—	?	—	?	—	?	—	05/31/96	
1185N	03/01/96 - N	02/23/96	05/29/96	?	—	?	—	02/13/96	—	?	
1188N	10/30/95 - N	11/14/95	—	?	—	?	—	10/05/95	—	?	
1195N	04/22/96 - N	04/04/96	—	?	—	?	—	?	—	?	
1198N	05/16/96 - N	05/01/96	—	?	—	?	—	?	—	04/24/96	
1202N	01/30/96 - N	?	—	?	—	?	—	?	—	?	
1203N	11/22/95 - N	?	—	?	—	?	—	?	—	?	
1209N	11/30/95 - N	11/14/95	05/29/96	?	—	?	—	?	—	?	
1210W	11/13/93 - N	?		?		?		10/22/93		?	
1218N	03/29/96 - N	03/22/96	—	?	—	?	—	03/20/96	—	03/01/96	
1219N	01/02/96 - N	02/06/96	—	?	—	?	—	12/07/95	—	?	
1221N	01/02/96 - N	01/03/96	—	?	—	?	—	12/18/95	—	?	03/07/96
1239W	08/31/93 - N	08/23/93		03/29/94		?		03/30/94		?	
1243E	04/12/96 - N	03/29/96	—	?	—	?	—	?	—	03/25/96	
1252N	05/24/96 - N	05/01/96	—	?	—	?	—	05/01/96	—	05/01/96	
1253N	04/07/96 - N	03/22/96	—	?	—	?	—	?	—	03/14/96	
1255N	04/01/96 - N	03/22/96	—	?	—	?	—	?	—	03/07/96	
1256N	04/01/96 - N	03/22/96	—	?	—	?	—	?	—	?	
1272N	05/10/96 - N	05/01/96	—	?	—	?	—	04/22/96	—	04/23/96	
1293N	06/20/96 - N	05/29/96	—	?	—	?	—	?	—	05/31/96	
3180W	02/28/96 - N	02/06/96	—	?	—	?	—	?	—	?	
6094Q	04/11/96 - N	?	—	?	—	?	—	?	—	04/17/96	
6497E	08/15/94 - N	07/26/94		?		?		08/02/94		?	
7034E(A)	12/08/95 - N	01/03/96	—	?	—	?	—	?	—	?	
7034E(B)	12/08/95 - N	01/03/96	—	?	—	?	—	?	—	?	
7034E(C)	04/01/96 - N	?	—	?	—	?	—	?	—	?	
7034E(D)	07/20/96 - N	?	—	?	—	?	—	?	—	?	
7090E	03/09/95 - N	03/02/95	—	?	—	?	—	03/21/95	—	?	—
7094E	02/24/95 - N	03/06/95	—	?	—	?	—	03/17/95	—	?	—
7130E(A)	12/08/95 - N	01/03/96	—	?	—	?	—	?	—	?	
7130E(B)	07/20/96 - N	?	—	?	—	?	—	?	—	?	
7223E	11/24/95 - N	11/28/95	—	?	—	?	—	?	—	?	
7226E	09/16/94 - N	07/14/94		08/30/94	—	?		08/01/94	—	?	
7233E	06/28/93 - N	?		06/10/93		06/09/93		?		?	
7243E	07/23/93 - N	?		07/16/93		?		?		?	
7261E	10/17/93 - N	?		?	—	?		?	—	?	
7271E	05/07/94 - N	04/22/94		04/12/94	—	?		?	—	?	
7284E	03/07/94 - N	?		02/11/94	—	?		02/24/94	—	?	
7291E	07/23/93 - N	?		07/16/93		?		?		?	
7294E	06/28/93 - N	?		06/09/93		?		?		?	
7437E	01/30/95 - N	01/23/95	—	?	—	?	—	01/25/95	—	?	—
7458E	05/25/94 - N	05/16/94		04/29/94		?		?		?	
7519E	03/10/95 - N	02/28/95	—	?	—	?	—	?	—	?	—
7522E	09/12/94 - N	09/29/94	10/17/94	08/16/94		?		09/29/94		?	

PROJECTS IN PROGRESS

revised 6/28/96:LOG.XLW

PROJECT #	GTE/SPRINT		HHWP/BLHP		HYDRAULICS		MCI METRO(ATS)		MECHANICAL	
	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
—N	?	—	06/17/96	—	?	—	?	—	06/18/96	—
—N	08/28/95	—	?	—	?	—	09/20/95	—	?	—
1004N	08/22/94	—	08/16/94		08/10/94		08/15/94		08/09/94	
1022N	01/12/95	04/04/95			01/09/95	04/04/95	02/22/95	04/28/95	01/04/95	03/30/95
1036N	07/24/95	—	?	—	08/09/95	—	09/08/95	—	07/12/95	—
1057N	12/14/95	—	?	—	?	06/11/96	02/16/96	—	12/11/95	06/04/96
1083N	10/20/95	—	11/06/95	—	10/12/95	—	?	—	10/10/95	—
1091N	?	—	?	—	?	—	?	—	?	—
1100N	12/14/95	—	05/14/96	—	?	—	02/16/96	—	12/11/95	—
1109N	?	—	?	—	?	—	?	—	06/11/96	—
1133N	08/15/95	—	?	—	08/10/95	—	09/20/95	—	08/14/95	—
1138N	11/28/95	—	?	—	?	—	02/07/96	—	11/17/95	—
1148N	09/20/95	—	?	—	?	—	?	—	09/01/95	—
1151N	08/15/95	11/16/95	?	—	?	—	09/20/95	—	08/14/95	11/13/95
1155N	10/10/95	—	09/07/95	—	?	—	?	—	09/01/95	—
1168N	10/10/95	—	09/12/95	—	?	—	?	—	09/19/95	—
1184Nold	03/01/96	—	?	—	02/22/96	—	?	—	03/29/96	—
1184N	05/24/96	—	06/11/96	—	06/05/96	—	?	—	05/17/96	—
1185N	02/15/96	05/29/96	02/28/96	—	02/08/96	05/21/96	02/26/96	—	02/06/96	06/04/96
1188N	10/16/95	—	?	—	?	—	02/07/96	—	10/05/95	—
1195N	04/03/96	—	04/23/96	—	04/10/96	—	05/06/96	—	?	—
1198N	04/24/96	—	?	—	05/20/96	—	?	—	04/18/96	—
1202N	01/31/96	—	01/29/96	—	01/16/96	—	?	—	?	—
1203N	?	02/12/96	?	—	?	—		03/05/96	?	01/31/96
1209N	11/16/95	05/29/96	?	—	?	—	02/01/96	—		06/04/96
1210W	11/09/93		10/20/93		?		11/01/93		10/20/93	
1218N	03/12/96	—	?	—	?	—	?	—	03/14/96	—
1219N	12/11/95	—	?	—	?	—	02/16/96	—	12/08/95	—
1221N	12/11/95	03/18/96	?	—	?	—	02/01/96	04/23/96	12/08/95	03/11/96
1239W	08/27/93		08/24/93		?		08/27/93		?	
1243E	03/27/96	—	?	—	03/19/96	—	04/23/96	—	03/27/96	—
1252N	05/03/96	—	05/02/96	—	?	—	?	—	05/06/96	—
1253N	03/19/96	—	?	—	?	—	?	—	03/27/96	—
1255N	03/18/96	—	?	—	?	—	04/23/96	—	03/11/96	—
1256N	03/18/96	—	?	—	?	—	?	—	03/11/96	—
1272N	05/01/96	—	?	—	?	—	04/23/96	—	04/19/96	—
1293N	05/29/96	—	?	—	05/22/96	—	?	—	06/04/96	—
3180W	?	—	02/27/96	—	?	—	?	—	02/21/96	—
6094Q	?	—	04/10/96	—	?	—	?	—	?	—
6497E	07/21/94		?		?		08/01/94		08/01/94	
7034E(A)	11/17/95	—	12/06/95	—	?	—	02/15/96	—	11/20/95	—
7034E(B)	11/17/95	—	12/06/95	—	?	—	02/16/96	—	11/20/95	—
7034E(C)	03/18/96	—	?	—	03/06/96	—	04/23/96	—	03/11/96	—
7034E(D)	?	—	?	—	?	—	?	—	?	—
7090E	02/23/95	—	?	—	02/16/95	—	?	—	?	—
7094E	03/15/95	—	?	—	03/01/95	—	03/13/94	—	03/01/95	—
7130E(A)	11/17/95	—	12/06/95	—	?	—	02/01/96	—	11/20/95	—
7130E(B)	?	—	?	—	?	—	?	—	?	—
7223E	11/16/95	—	?	—	?	—	02/01/96	—	11/13/95	—
7226E	07/18/94	—	09/20/94		07/27/94		07/25/94		?	
7233E	06/07/93		06/10/93		06/10/93		08/05/93		06/01/93	
7243E	06/30/93		07/22/93		?		07/06/93		?	
7261E	09/28/93	—	?		?		10/15/93		09/22/93	
7271E	04/15/94	—	05/03/94		04/13/94		05/03/94		04/08/94	
7284E	?	—	?		02/09/94		03/08/94		02/09/94	
7291E	06/30/93		08/09/93		?		07/06/93		07/12/93	
7294E	06/07/93		06/10/93		?		06/04/93		06/16/93	
7437E	01/12/95	—	?	—	01/09/95	—	02/21/95	—	01/03/95	—
7458E	05/03/94		05/03/94		?		05/27/94		04/27/94	
7519E	03/01/95	—	?	—	?	—	02/27/95	—	02/22/95	—
7522E	08/22/94	10/21/94	?		?		09/25/94	11/08/94	08/23/94	10/26/94

PROJECTS IN PROGRESS

revised 6/28/96:LOG.XLW

PROJECT #	METRO FIBER SYS		MUNI		PAC BELL		P G & E GAS		P G & E ELEC	
	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
—N	?	—	?	—	?	—	?	—	?	—
—N	08/31/95		08/31/95		09/12/95					
1004N	08/23/94		08/08/94		08/12/94		09/16/94		09/16/94	
1022N		05/03/95	01/05/95	04/04/95	01/31/95	04/04/95	01/17/95	04/28/95	01/17/95	04/28/95
1036N	08/31/95	—	07/13/95	—	07/24/95	—	08/08/95	—	08/08/95	—
1057N	12/21/95	—	12/11/95	—	01/05/96	—	01/08/96	—	01/03/96	—
1083N	?	—	10/12/95	—	10/13/95	—	10/11/95	—	12/14/95	—
1091N	?	—	?	—	?	—	?	—	?	—
1100N	12/21/95	—	12/11/95	—	12/28/95	—	01/05/96	—	01/03/96	—
1109N	?	—	?	—	?	—	?	—	?	—
1133N	08/31/95	—	08/10/95	—	08/22/95	—	10/02/95	—	10/02/95	—
1138N	12/21/95	—	11/15/95	—	?	—	?	—	11/22/95	—
1148N	08/31/95	—	09/01/95	—	09/01/95	—	12/14/95	—	?	—
1151N	08/31/95	12/21/95	08/10/95	11/03/95	08/28/95	—	?	—	?	—
1155N	08/31/95	—	09/01/95	—	09/12/95	—	10/03/95	—	10/09/95	—
1168N	09/29/95	—	?	—	10/03/95	—	?	—	?	—
1184Nold	?	—	03/01/96	—	02/26/96	—	?	—	03/14/96	—
1184N	?	—	?	—	05/20/96	—	?	—	?	—
1185N	?	—	02/07/96	06/07/96	02/15/96	—	04/26/96	—	?	—
1188N	12/21/95	—	10/05/95	—	10/24/95	—	10/05/95	—	10/12/95	—
1195N	?	—	06/18/96	—	04/04/96	—	06/07/96	—	06/07/96	—
1198N	?	—	05/13/96	—	04/23/96	—	?	—	?	—
1202N	?	—	01/18/96	—	02/02/96	—	01/31/96	—	02/02/96	—
1203N	?	—	02/01/96	—	?	02/26/96	?	03/28/96	?	—
1209N	12/21/95	—	11/06/95	—	11/16/95	—	11/10/95	—	11/22/95	—
1210W	—		10/18/93		?		05/26/94		05/26/94	
1218N	?	—	03/14/96	—	03/18/96	—	05/17/96	—	?	05/17/96
1219N	12/21/95	—	12/08/95	—	12/18/95	—	01/03/96	—	01/03/96	—
1221N	12/21/95	—	12/08/95	03/14/96	12/18/95	03/22/96	01/03/96	04/30/96	01/03/96	04/30/96
1239W	—		08/20/93		09/14/93		09/28/93		11/15/93	
1243E	?	—	04/15/96	—	03/25/96	—	05/24/96	—	04/02/96	—
1252N	?	—	05/13/96	—	05/02/96	—	05/17/96	—	?	—
1253N	?	—	03/14/96	—	03/18/96	—	03/22/96	—	?	—
1255N	?	—	03/14/96	—	03/18/96	—	04/30/96	—	03/22/96	—
1256N	?	—	03/14/96	—	03/18/96	—	?	—	03/29/96	—
1272N	?	—	?	—	04/23/96	—	?	—	?	—
1293N	?	—	06/10/96	—	06/03/96	—	?	—	?	—
3180W	?	—	01/29/96	02/21/96	02/26/96	—	02/26/96	—	04/05/96	—
6094Q	?	—	?	—	?	—	?	—	?	—
6497E	07/21/94		07/27/94		07/26/94		?		07/27/94	
7034E(A)	12/21/95	—	11/15/95	—	11/16/95	—	?	—	?	—
7034E(B)	12/21/95	—	11/17/95	—	11/16/95	—	05/24/96	—	04/16/96	—
7034E(C)	?	—	03/14/96	—	03/18/96	—	06/17/96	—	06/17/96	—
7034E(D)	?	—	?	—	?	—	?	—	?	—
7090E	02/17/95	—	02/21/95	—	03/02/95	—	03/02/95	—	03/02/95	—
7094E	05/03/95	—	03/03/95	—	03/09/95	—	03/28/95	—	03/28/95	—
7130E(A)	12/21/95	—	11/17/95	—	11/20/95	—	?	—	10/01/95	—
7130E(B)	?	—	?	—	?	—	?	—	?	—
7223E	12/21/95	—	11/03/95	—	?	—	?	—	?	—
7226E	07/21/94		07/11/94		08/12/94		?		?	
7233E	—		06/01/93		?		?		?	
7243E	—		06/28/93		?		?		?	
7261E	—		09/23/93		?		02/23/94		11/22/93	
7271E	?		04/29/94		05/04/94		05/26/94		05/26/94	
7284E	—		?		06/17/94		03/14/94		03/14/94	
7291E	—		06/28/93		?		?		?	
7294E	—		06/15/93		?		09/27/93		06/25/93	
7437E	?	—	01/05/95	—	01/23/95	—	02/09/95	—	02/09/95	—
7458E	?		04/29/94		05/26/94		06/15/94		06/15/94	
7519E	?	—	02/27/95	—	03/16/95	—	?	—	?	—
7522E	08/23/94	10/18/94	08/16/94	10/12/94	?	11/01/94	?	11/02/94	?	12/01/94

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PROJECTS IN PROGRESS

PROJECT #	PROJ DEV.		SF FIRE		SFWD		SF THERMAL		STRUCTURAL	
	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
—N	06/21/96	—	?	—	?	—	?	—	?	—
—N	08/14/95		?		?	—	08/17/95		08/18/95	
1004N	09/16/94		?		?	—	08/29/94		08/05/94	
1022N	01/26/95	04/28/95					03/10/95	04/05/95	01/04/95	04/06/95
1036N	07/20/95	—	?	—	?	—	07/25/95	—	07/31/95	—
1057N	12/08/95		?	—	?	—	12/20/95	06/10/96	12/18/95	—
1083N	10/10/96	—	?	—	?	—	10/10/95	—	10/05/95	—
1091N	?	—	?	—	?	—	?	—	?	—
1100N	12/08/95	—	?	—	01/03/96	—	12/20/95	—	12/18/95	—
1109N	?	—	06/19/96	—	?	—	06/10/96	—	?	—
1133N	08/02/95	—	?	—	?	—	08/11/95	—	08/09/95	—
1138N	11/15/95	—	?	—	?	—	11/20/95	—	11/16/95	—
1148N	09/12/95	—	?	—	?	—	09/01/95	—	09/01/95	—
1151N	10/04/95	10/30/95	?	—	?	—	?	—	08/14/95	10/30/95
1155N	08/29/95	—	?	—	?	—	09/05/95	—	09/01/95	—
1168N	09/26/95	—	?	—	09/19/95	—	09/15/95	—	?	—
1184Nold	03/18/96	—	?	—	?	—	?	—	02/22/96	—
1184N	05/22/96	—	?	—	?	—	05/29/96	—	05/20/96	—
1185N	01/29/96	06/18/96	?	—	?	—	02/08/96	05/29/96	02/12/96	—
1188N	10/10/95	—	?	—	10/11/95	—	10/10/95	—	10/03/95	—
1195N	04/16/96	—	?	—	04/09/96	—	04/11/96	—	03/29/96	—
1198N	04/18/96	—	?	—	?	—	05/06/96	—	04/18/96	—
1202N	01/18/96	—	?	—	01/19/96	—	01/16/96	—	01/17/96	—
1203N	01/31/96	—	?	—	?	—	?	02/02/96	02/01/96	—
1209N	11/02/95	06/18/96	?	—	11/08/95	—	11/07/95	05/29/96	11/02/95	05/24/96
1210W	?		11/05/93		10/20/93		—		?	
1218N	03/18/96	—	?	—	?	—	?	—	03/05/96	—
1219N	12/07/95	—	?	—	12/11/95	—	12/11/95	—	12/06/95	—
1221N	12/07/95	03/25/96	?	—	12/11/95	—	?	03/07/96	12/06/95	03/06/96
1239W	?		09/17/93		09/14/93		—		?	
1243E	04/02/96	—	?	—		—	03/25/96	—	03/22/96	—
1252N	05/09/96	—	?	—	05/02/96	—	05/06/96	—	05/01/96	—
1253N	04/08/96	—	?	—	03/12/96	—	03/25/96	—	03/11/96	—
1255N	03/25/96	—	?	—	03/11/96	—	03/07/96	—	03/06/96	—
1256N	03/25/96	—	?	—	03/07/96	—	?	—	03/06/96	—
1272N	04/18/96	—	?	—	04/18/96	—	04/17/96	—	04/17/96	—
1293N	05/21/96	06/21/96	?	—	?	—	05/29/96	—	05/24/96	—
3180W	03/07/96		?	—	01/31/96	—	01/26/96	—	02/22/96	
6094Q	?	—	?	—	?	—	?	—	?	—
6497E	08/11/94		?		08/01/94		07/18/94		?	
7034E(A)	11/14/95	—	?	—	?	—	?	—	11/16/95	—
7034E(B)	11/14/95	—	?	—	?	—	?	—	11/16/95	—
7034E(C)	03/25/96	—	?	—	03/11/96	—	?	—	03/06/96	—
7034E(D)	06/21/96	—	?	—	?	—	?	—	?	—
7090E	02/13/95	—	?	—	?	—	02/23/95	—	02/13/95	—
7094E	?	—	?	—	?	—	03/06/95	—	02/28/95	—
7130E(A)	11/22/95	—	?	—	?	—	?	—	11/16/95	—
7130E(B)	?	—	?	—	?	—	?	—	?	—
7223E	11/02/95	—	?	—	?	—	?	—	10/30/95	—
7226E	07/11/94		?		?	—	09/20/94		09/29/94	
7233E	06/09/94		?		?		—		?	
7243E	?		?		08/03/93		—		?	
7261E	10/15/93		10/07/93		?	—	—		?	
7271E	04/11/94		?		?	—	04/25/94		?	
7284E	?		?		?	—	—		?	
7291E	?		07/19/93		?		—		?	
7294E	?		?		06/03/93		—		?	
7437E	01/12/95	—	?	—	?	—	?	—	01/04/95	—
7458E	05/04/94		?		?		05/16/94		?	
7519E	02/28/95	—	?	—	02/27/95	—	02/22/95	—	02/23/95	—
7522E	09/01/94	10/17/94	?		08/25/94		08/17/94	10/13/94	?	10/07/94

PROJECTS IN PROGRESS

revised 6/28/96:LOG.XLW

PROJECT #	TELEPORT COMM		UEB		VIACOM	
	NOI	LOT	NOI	LOT	NOI	LOT
—N	?	—	?	—	?	—
—N	08/23/95				09/08/95	
1004N	08/22/94		08/15/94		08/26/94	
1022N	01/09/95		01/05/95		01/30/95	04/12/95
1036N	07/17/95	—	?	—	07/24/95	—
1057N	12/27/95	06/18/96	?	—	12/15/95	06/11/96
1083N	10/12/95	—	?	—	11/02/95	—
1091N	?	—	?	—	?	—
1100N	12/27/95	—	?	—	12/20/95	—
1109N	06/18/96	—	?	—	06/11/96	—
1133N	08/14/95	—	?	—	09/01/95	—
1138N	12/27/95	—	?	—	?	—
1148N	?	—	?	—	09/08/95	—
1151N	08/14/95	10/31/95	?	—	09/01/95	11/09/95
1155N	?	—	?	—	09/08/95	—
1168N	09/19/95	—	?	—	10/06/95	—
1184Nold	03/27/96	—	?	—	03/11/96	—
1184N	06/18/96	—	?	—	05/31/96	—
1185N	02/26/96	06/18/96	?	—	03/07/96	05/30/96
1188N	10/05/95	—	?	—	11/01/95	—
1195N	05/28/96	—	?	—	04/10/96	—
1198N	05/28/96	—	?	—	05/02/96	—
1202N	?	—	?	—	02/06/96	—
1203N	?	03/27/96	?	—		02/28/96
1209N	11/07/95	06/18/96	?	—	11/14/95	05/30/96
1210W	—		10/27/93		?	
1218N	03/27/96	—	?	—	03/07/96	—
1219N	12/13/95	—	?	—	12/19/95	—
1221N	12/13/95	03/27/96	?	—	12/15/95	03/22/96
1239W	—		09/27/93		09/10/93	
1243E	03/27/96	—	?	—	03/21/96	—
1252N	05/28/96	—	?	—	05/14/96	—
1253N	03/27/96	—	?	—	03/22/96	—
1255N	03/27/96	—	?	—	?	—
1256N	03/27/96	—	?	—	03/20/96	—
1272N	050/28/96	—	?	—	04/23/96	—
1293N	?	06/18/96	?	—	05/30/96	—
3180W	03/27/96	—	?	—	03/11/96	
6094Q	?	—	?	—	04/10/96	—
6497E	?		07/26/94		?	
7034E(A)	12/27/95	—	?	—	11/20/95	—
7034E(B)	12/15/95	—	?	—	11/17/95	—
7034E(C)	03/27/96	—	?	—	03/20/96	—
7034E(D)	?	—	?	—	?	—
7090E	03/08/95	—	?	—	03/07/95	—
7094E	03/08/95	—	?	—	03/02/95	—
7130E(A)	12/15/95	—	?	—	11/20/95	—
7130E(B)	?	—	?	—	?	—
7223E	10/31/95	—	?	—	11/09/95	—
7226E	07/27/94		07/08/94		?	
7233E	—		?		?	
7243E	—		07/12/93		09/10/93	
7261E	—		09/27/93		10/20/93	
7271E	04/25/94		04/11/94		05/10/94	
7284E	—		02/09/94		03/31/94	
7291E	—		07/12/93		?	
7294E	—		?		?	
7437E	03/08/95	—	01/05/95	—	02/02/95	—
7458E	?		05/13/94		05/10/94	
7519E	03/08/95	—	?	—	03/07/95	—
7522E	08/22/94	10/20/94	?		08/26/94	11/10/94

Legend:

(FC) - FLOOD CONTROL
(SR) - SEWER REPLACEMENT
(PR) - PAVEMENT RENOVATION
(*) - SEE FILE FOR MORE INFORMATION

(N OR NOI) - LETTER OF NOTICE OF INTENT
(T OR LOT) - LETTER OF TRANSMITTAL OF FINAL PRELIMINARY PLANS
(?) - INDICATES NO RESPONSE WAS
(---) - INDICATES NO RESPONSE IS NECESSARY

5-YEAR SEWER REPLACEMENT PRIORITY LIST

JOB SEW	NO. S & H	LEAD	SCHED CONST YEAR	STREET	FROM	TO	YEAR CONST		SIZE	MAT	REVIEWER'S COMMENTS	TYPE PAVE	PROP'D PAVE DATE	PRIORITY POINTS	PROJ. COST (000)
	SEW = SEWER											MF = Mill & Fill			
	S&H = STREETS AND HIGHWAYS							? = Exact year of construction not known				OL = Overlay			
	CON = CONFLICT						▨	= New or revised project				RE = Reconstruction			
								= Under construction				JP = Joint Project			
	EMERGENCY PROJECTS														
1064N		SEW	1996	Sacramento	Grant	Stockton	1880	?	3x5	BRICK	Bad shape; missing & loose bricks			96	267
1259N		SEW	1996	Julian	15th St	16th St	1869		3x5	BRICK	Caved in, missing brick & morter			95	110
1271N		SEW	1996	Hyde	Ellis	O'Farrell	1880	?	3x5	BRICK	Caved in section, missing bricks & mortar			99	202
1295N		SEW	1996	Broadway	Columbus	Stockton	1876		3x5	BRICK	Bad shape, caved in			110	356
1295N		SEW	1996	Broadway	Powell	Stockton	1876		3x5	BRICK	Bad shape, out of round, sagging, loose bricks			97	267
1295N		SEW	1996	Stockton	Broedwey	Vallejo	1876	?	3x5	BRICK	Bad shape			97	179
1300N		SEW	1996	Trenton	Pacific	Jackson		?	3x5	BRICK	Bad shape, caved in			110	167
1274N		SEW	1996	Esmt Block #5862	Sweeny	West View	1939		12"	VCP	Cracks, @84-9', 100-20' b-c, liner recommended			95	60
1279N		SEW	1996	23rd Ave	California	Clement	1930		2'4"x3'6	BRICK	Sand infiltration, missing bricks and mortar			98	245
1288N		SEW	1996	South Hill	Chicago	Winding	1915	?	24"	SRCP	Cracked and collapsed sections			104	114
1305N		SEW	1996	Vicksburg	Elizabeth	24th St	1889		15"	VCP	Caved in, cracks @13-18', infiltration 115-130' (lining recommend)			110	270
1307N		SEW	1996	California	Franklin	Van Ness	1900		14"	CEM	Severe cracks/collapse @121-9' & 175-185', crack	MF		108	155
1308N		SEW	1996	Andover	Cortland	Newman	1910	?	14"/12"	VCP	Severe cracks and ready to collapse sections			110	132
														EMERGENCY TOTAL =	$ 2,524
		PRIORITY 1:Severely collapsed/crushed sewers recommended for immediate replacement													
1147N		SEW	1996	Montgomary	Chestnut	Francisco	1911	?	15"	VCP	Collapsed To Mh #3			112	103
1147N		SEW	1996	Kearny	Vallejo	Green	1900	?	15/12"	CP/VCP	Collapsed sections, extensive 3pt cracks on CP	MF		109	99
1147N		SEW	1996	Sansome	Union	Filbert	1911		12"	VCP	Cracks, collapsed	MF		96	80
1221N	1083N	SEW	1996	Lyon	Bush	Sutter	1890		16"	ISP	Cracks, offsets, collapsed sections	MF	1/98	125	99
1023N		SEW	1996	Day	Dolores	Church	1889		18"	ISP	Over 165' of broken pipe (TV'd 4 runs)	MF		122	163
1023N		SEW	1996	Dolores	30th St	Day	1889		16"	VCP	Severe cracks, crushed sections	MF		113	92
1155N		SEW	1996	Chestnut	Culebra	Polk	1913		12"	ISP	Numerous Cracks, Collapsed Pipe			108	68
1218N			1996	Market	9th	10th	1878		3X5	BRICK	Ready to collapse			113	353
1218N	....N		1996	Larkin	Golden Gate	McAllister	1878		18"	VCP	Collapsed, continuous cracks	MF		123	109
1276N	1057N	S&H	1996	Upper Terrace	End, Circle	Clifford Ter	1906	?	8"	VCP	Cracks, crushed sections	MF/JP	5/96	105	223
1219N		SEW	1996	Buchanan	Broadway	Vallejo	1889		16"	VCP	Severe cracks & collapse			100	110
7474E		Hold	1996/7	Pine	Battery	Front	1907		18"	ISP	Collapsed, Cracks	MF		118	53
			1996	7th St	Howard	Natoma	1907		3'6"x5'3	BRICK	Broken s/s & c/b; collapsed wall			104	407
			1996	Cesar Chavez (Army	Bryant	York		?	12"	VCP	Many cracks and collapsed sections			108	43
			1996	Esmt Block #2974	Casitas	Lansdale	1938		15"	VCP	Ready to collapse, replace mhA to mhB			105	8
			1997	Folsom	Bessie	Stoneman	1889	?	16"	VCP	Offsets, many cracks/depressions, invert erosion			104	184
										NOTE: Projects with estimates rounded to 100k have not been finalized and will be revised after sizing.					
														PRIORITY 1 TOTAL =	$ 2,194
		PRIORITY 2: Severely cracked/crushed sewers to be replaced on a normal contract schedule.													
1082N	7433E	S&H	1996	Collingwood	20th St	19th St	1885		12"	VCP	Ready to collapse @ 45-8' c-d	RE/JP	12/95	80	149
1166N		SEW	1996	20th St	Sanchez MB	Noe	1907		8"	ISP	Cracks, replace c-d w/st. reconstruction	RE	8/95	90	160
1166N		SEW	1996	Church	20th St	Cumberland	1900	?	15"	VCP	Severe cracks, collapsed pipe	MF		100	182
1125N	7466E	S&H	1996	Sanchez	26th St	Clipper	1885		18"	ISP	Collapsed	MF/JP	5/96	112	95
1125N	7466E	S&H	1996	Sanchez	26th St	Army	1889		18"	ISP	Many cracks, TV'd half block(camera stuck)	MF/JP	5/96	98	95
1125N	7466E	S&H	1996	Sanchez	27th St	Army	1889		18"	ISP	Many severely cracked sections	MF/JP	5/96	106	90
1068N	7455E	S&H	1996	Florida	22nd St.	21st St.	1889	?	16"	ISP	200' of collapsed and cracked pipe	MF/JP	5/96	113	195
1068N	7455E	S&H	1996	Floride	26th St	Army	1890		12"	ISP	Many cracked sections	MF/JP	5/96	93	70
1152N	1050N	S&H	1996	Fillmore	Broadway	Vallejo	1889		12"	VCP	Many offsets, cracks & open joints	RE/JP	5/96	95	95
1023N	BSSR	SEW	1996	Dolores	Duncan	27th St	1907		18"	VCP	Severe cracks	MF		93	105
1203N	1083N	SEW	1996	Lyon	Washington	Clay	1889		14"	VCP	Roots, cracks, eroded invert	MF	1/98	104	90
1203N		SEW	1996	Baker	Pacific	Jackson	1889	?	14"	VCP	Bad cracks, crushed sections			100	90
1203N		SEW	1996	Washington	Baker	Broderick	1889		14"	VCP	Dip, cracks @213-239', invert eroded			98	130
1210N	BSSR	SEW	1996	Fulton	Filmore MB	Webster	1907		16"	ISP	Several severe cracks	MF		94	80
1210N	BSSR	SEW	1996	Fulton	Webster	Buchanan	1878		3X5	BRICK	Fairly bad shape, dirt, bulging	MF		100	306
1210N	BSSR	SEW	1996	Fulton	Buchanan	Laguna	1878		3X5	BRICK	Bad shape, dirt, bulging	MF		105	286
1209N		SEW	1996	Larkin	Green	Greenwich	1889	?	18"	VCP	Cracks, crushed, offsets	MF/JP		100	320
1209N		SEW	1996	Larkin	Vallajo	Green	1900	?	15"	VCP	Cracks, crushed, offsets	MF/JP		96	423

PRIORITY POINTS = Points for Hydreulic inedq., structural inadq., proposed paving etc.
100 + = High priority   80-100 = Normal priority   80- = Lower priority

5-YEAR SEWER REPLACEMENT PRIORITY LIST

JOB SEW	NO. S & H	LEAD	SCHED CONST YEAR	STREET	FROM	TO	YEAR CONST		SIZE	MAT	REVIEWER'S COMMENTS	TYPE PAVE	PROP'D PAVE DATE	PRIORITY POINTS	PROJ. COST (000)
1209N		SEW	1996	Greenwich	Larkin	Polk	1904	?	12"	VCP	Cracks, collapsed sections			94	138
	7181E	S&H	1996	Holladay	York	Rutledge MB	1916		12"	VCP	Cracks, collapse	MF/JP	7/96	103	187
														Total 95-96 =	3286
1241N		SEW	1996	El Mirasol	Crestlake	Sloat					New sewer construction project			105	150
1219N	N		1996	Steiner	Broadway	Green	1889		18"	VCP	Crushed section, cracks, offset joints			93	235
1218N	BSSR		1996	Harrison	5th St	Morris	1935		12/18/21	VCP	Severe cracks, severe dips/debris restrict flow	MF		94	230
1218N	N		1996	Larkin	Grove	Hayes	1915		18"	VCP	TV'd 190', collapsed, dip, debris			95	92
1221N	....N		1996	Post	Laguna	Buchanan	1900	?	16"	ISP/CP	Inv. hole @132'?, worn invert, cracks	MF		94	140
1221N	N		1996	Sacramento	Locust	Spruce	1890	?	8"	ISP	Collapsed pipe, offset joints, & dips	MF		99	119
1255N	BSSR		1996	San Jose	24th St	25th St	1889	?	15"	VCP	Many cracked & crushed sections	MF		104	170
1253N	1091N	SEW	1996	12th St	Folsom	Harrison	1875		3'X5'	8RICK	Bad shape, missing bricks, broken ss	TR/JP	6/97	101	370
1256N		SEW	1996	23rd St.	Capp	S. Van Ness MB	1876		18"	CEM	Cement pipe, breaks, cracks			99	69
1256N	....N	SEW	1996	22nd Street	Bartlett	Mission	1890		15"/8"	CP/VCP	Many severe cracks	MF		97	85
1256N		SEW	1996	21st St.	Bartlet	Mission	1887		18"	ISP	3 areas of severe cracks/collapse, cracks			101	107
1252N	N		1996	Shotwell	22nd St	23rd St	1880	?	12"	VCP	Offsets,dip, severe cracks	MF/JP		93	145
1252N	....N		1996	Shotwell	24th St	23rd St	1880		12"	VCP	Open joints, crushed section, dip debris	MF/JP		104	150
1254N	....N		1996	11th St	Folsom	Harrison	1880	?	3x5	BRICK	Bad shape; missing & loose bricks			104	360
	110BN	S&H	1996	Bayshore	Oakdale MB	Jerrold	1928		15"/12"	VCP	Cracked (replace a-c), dip, debris			95	75
	110BN	S&H	1996	Bayshore	Oakdale	Jerrold MB	1928		15"/12"	VCP	Cracked (replace a-e), damaged @ 3' e-f, debris			95	178
	....N		1996	Pacific	Jones	Taylor	1928		3x5	8RICK	Bad shape; missing & loose bricks		Done 11/93	100	280
	....N		1996	Pacific	Powell	Stockton	1928		3'X5'	BRICK	Out of round, loose bricks, plaster			94	280
	....N		1996	Pacific	Mason	Powell	1928		3'x5'	BRICK	Bad shape 1/2, fairly bad shape 1/2			87	280
		SEW	1997	Alemany	Prentiss	Putnam		?	12"	VCP	8adly crushed pipe	MF	5/96	101	110
	....N	SEW	1997	Leavenworth	Greenwich	Lombard	1880	?	16"	VCP	Crushed Pipe, Numerous Cracks			103	110
	....N		1997	Valencia	15th	16th	1880	?	3X5	BRICK	8ad shape, collapsed @ 447 Valencia			109	418
	....N		1997	Victoria	Randolph	Brotherhood	1920	?	12"	ISP	Open break @112-115', cont. cracks, mh b-c			100	160
	.. N		1997	Clarence	Townsend	End; N		?	24"	VCP	Severe cracked sections, ready to collapse			99	90
			1997	Bryant	7th St	Gilbert	1928	?	3x5	8RICK	8ad shape, cracks on crown, ready to cave in	MF		102	119
			1997	Sacramento	Grant	Kearny	1880	?	3x5	8RICK	8ad shape; missing & loose bricks			92	274
	-		1997	Larkin	Pine	Bush	1928	?	3x5	8RICK	8ad shape, many loose bricks			101	208
	....N		1997	Ord St.	Corbett	Market	1800	?	15"	VCP	Cracks, cracked invert, severe offsets	MF		101	43
			1997	California	Webster	Buchanan	1880	?	15"	CEM	Offsets, hole @ 104', open joints, st depressions			90	142
7474E		Hold	1997	California	Laguna	Buchanan	1876	?	16"	CEM	TV'd 35', Collapsed			96	323
		SEW	1997	Dolores	28th St	Valley	1885	?	18"	VCP	Crushed and multiple cracks	MF/JP		102	89
7474E		Hold	1997	1st St(Delancy St.)	Brannan	Townsend	?		12"/15"	VCP	Collapsed sections			82	207
			1997	Esmt blk #4315/16	Minnesota	3rd St	1949		12"	VCP	Several severe cracks & collapses			80	145
		SEW	1997	Esmt Block #4317	Indiana	Minnesota	1949		12"	VCP	Severe multiple cracks			85	74
	6094Q	S&H	1997	Davis	Clay	Washington	1876	?	3'x5'	BRICK	Bad shape, debris, missing bricks & mortar	RE/JP	3/97	85	167
			1997	23rd St	Castro	Diamond	1888	?	15"	VCP	Severe cracks @ 25-70', heavy debris, dip	MF		98	180
	BSSR		1997	Douglass	25th St.	Jersey	1876		15"	VCP	Many cracked sections	MF		104	95
	....N		1997	22nd St	Bryant	Florida	1876		16"	VCP	Crushed sections			100	80
														Total 96-97 =	$ 6,549
		SEW	1997	Treat	22nd St	21st St	1883	?	18"	ISP	Cracks 55-8', several depressions			97	200
	1091N	S&H	1997	Treat	23rd St	22nd St	1883	?	16"	ISP	Ready to collapse @ 0-200' (install mid block MH)	TR/JP?	6/97	110	60
			1997	Rankin	Davidson	Evans		?	18"	?	Ready to collapse (TV'd 20' due to grout) no log sheet			90	110
	....N		1997	8th St	Market	Hyde/Grove	?		15"	VCP	Cracked sects. replace (a-b) across Market			99	50
	....N		1997	Turk	8roderick	Divisadero	1881		16"	ISP	Cracks, collapsed section			99	152
	BSSR		1997	Deming	Clayton MB	Uranus	1876		12"	ISP	Ready to collapse	MF		98	51
	BSSR		1997	Sutter	Octavia	Gough	1876		12"/16"	VCP/CP	Many severe cracks, abandoned? (no videol)	MF		96	150
	1005N	S&H	1997	O'Shaughnessy	Portola	Del Vale MB	1939		15"	VCP	8adly cracked, no tv log, sewer lining recommended	MF	1/96	96	70
	BSSR		1997	Marston	Circular	Edna	1910		8"	ISP	Many severe cracks	MF		95	114
	....N		1998	Sutter	Kearny	Intersection	1876	?	3x5	BRICK	Intersec. in bad shape, rest is in fair shape			90	50
			1998	Kearny	Sutter	Bush	1890	?	3x5	8RICK	Fairly bad shape, loose bricks			97	208
	....N		1998	Harrison	08th St	07th St	1890	?	3'x5'	8RICK	Missing mortar, loose bricks, out of round			95	550
	....N		1998	Harper	Randall	30th St	1876		15"	ISP.	Cracks, dip, break?-replece w/st reconstruction	RE		95	196
														Total 97-98 =	$ 1,961
	BSSR		1998	Francisco	Stockton	Powell	1876	?	3'x5'	BRICK	Bad shape 1/2, fairly bad shape 1/2	MF		95	290
			1998	Post	Grant	Kearny	1880	?	3x5	8RICK	8ad shape, missing & loose bricks			87	274

PRIORITY POINTS = Points for Hydraulic loads, structural load's, proposed paving etc.
100 + = High priority 80-100 = Normal priority 80- = Lower priority

5-YEAR SEWER REPLACEMENT PRIORITY LIST

JOB SEW	NO. S & H	LEAD	SCHED CONST YEAR	STREET	FROM	TO	YEAR CONST		SIZE	MAT	REVIEWER'S COMMENTS	TYPE PAVE	PROP'D PAVE DATE	PRIORITY POINTS	PROJ. COST (000)
			1998	Post	Broderick	Baker	1900		18"	VCP	Joints open throughout, open ss, sand infiltration			95	162
			1999	Stonestown Trestle Removal							Trestle is an attractive nuisance			N/A	286
			1999	Chinatown Alleys(3)											150
	....N		1999	Golden Gate	Scott MB	Pierce	1875		14"	ISP/CP	Cement pipe sections, badly cracked			93	80
	....N		1999	8th Ave.	Fulton	Cabrillo	1907	?	8"	VCP	Numerous cracked sections, collapse			92	168
	....N		1999	Rincon	Bay Bridge	Bryant	1917	?	12"	VCP	Collapsed			95	70
	....N		1999	Sutter	Montgomery	Intersection	1876	?	3x5	BRICK	Intersection in bad shape			90	50
														Total 98-99 =	$ 1,530
	....N		1999	Eddy	Pierce	Steiner	1875		3x5	BRICK	Bad shape (50'), rest needs plastering			89	280
	....N		1999	Sacramento	Sansome	Battery	1908		12"	ISP	Many cracks, crush @ 54-80, 116-49', debris	MF		90	80
			1999	26th St	Dolores	Church	1885		15"	VCP	Many medium & minor cracks, severe grout	MF		93	205
	....N		1999	Union	Divisadero	Broderick	1885	?	8"/12"	VCP	Cracks/collapse @ over 35', offsets, open joints	MF	done 4/95	94	125
	....N		1999	Pine	Polk	Larkin	1880	?	3x5	BRICK	Fairly bad shape (230'), st. depression			86	280
1188N		hold	2000	Grant	Edith	Lombard	1918	?	16"	VCP	Cracks, Dip, Cement Pipe	MF		86	107
			2000	Chinatown Alleys(2)											100
	....N		2000	Townsend	7th St Mb	8th St Mb	1921		12"	VCP	Dips, Cracks, Crushed			86	167
	....N		2000	Pine	Hyde	Leavenworth	1880	?	3x5	BRICK	Fairly bad shape (oval), 3 broken s/s			86	280
	....N		2000	Balboa	Arguello	2nd Ave	1907	?	18"	ISP	Multiple cracks			86	107
			2000	Jackson	Walnut	Laurel	1890		14"	VCP	Bad cracks, offsets, street depression			89	132
			2000	Fillmore	Jackson	Washington	1900	?	12"	VCP	Continuous multiple cracks and offsets			85	90
														Total 99-00 =	$ 1,953
	....N		2000	Kensington	Merced	Claremont	1915		12"	VCP	Replace mh a-b, otherwise fair condition			85	100
	....N		2000	Moultrie	Eugenia	Cortland	1915	?	10"	VCP	Broken pipe, cracks, infiltration			85	111
	....N		2000	Wilmot	Webster	Fillmore	1900	?	10"	ISP/CP	Multiple extensive cracks/ cement pipe			84	120
	....N		2000	Kirkham	6th Ave MB	7th Ave	1906		18"	VCP	43 foot run with cracks throughout			84	107
	....N		2000	Noe	26th St.	Clipper MB	1888		18"	VCP	Cracks throughout, 33' run(debris)			84	101
	....N		2000	Polk	Greenwich MB	Filbert	1890	?	10"/18"	VCP	Continuous cracks, offsets			84	109
	....N		2000	Jones	Filbert	Lombard	1919		12"	VCP	Numerous Cracks			83	213
	....N		2000	Sacramento	Taylor	Mason	1875		16"	ISP	Many cracks, open joint			83	138
	....N		2000	Leavenworth	O'Farrell	Geary	1900	?	3x5	BRICK	Bad shape			82	221
....N			2000	Potrero	Alameda	Division	1889	?	16"/18"	ISP	Continuous multiple cracks			82	179
	....N		2000	Buchanan	Greenwich	Lombard St	1887		18"	VCP	Cracks, offsets, open joints			85	120
	BSSR		2000	South Hill	Prague	Geneva	1915		8"	ISP	Broken sections, cracks	MF/OL		82	60
	....N		2000	2nd St	Brannan	Townsend	1890	?	18"	VCP	Many cracks /,replace lower 1/2 block			82	160
	....N		2000	24th Ave.	California	Clement MB	1907		8"	ISP	Cracks, breaks, dip, street depressions			80	100
	....N		2000	6th Ave	Fulton	Cabrillo	1907	?	8"	ISP	Many cracked sections, hole (repair done 1/12/96)			79	168
	....N		2000	O'Farrell	Anza Vista	Masonic	1947		15"	VCP	Numerous cracks			77	237
	BSSR		2000	Congo	Melrose	Mangels	1910		8"	VCP	Many cracks over the block	MF		77	48
1188N		hold	2000	Chestnut	Powell	Stockton	1890		16"	CEM	Cracks, invert erosion	RE/JP		97	140
1188N		hold	2000	Grant	Chestnut	Francisco	1918	?	14"	VCP	Offsets, Crushed Pipe, Debris	RE		105	99
	....N		2000	Washburn	Howard	Mission	1900	?	3x5	BRICK	Fairly bad shape, bricks, broken s/s			76	350
														Total 2000/1 =	$ 2,881
				NEW ADDED PROJECT											
				DELETED PROJECT											

PRIORITY POINTS = Points for Hydraulic inadq., structural inadq., proposed paving etc.
100 + = High priority 80-100 = Normal priority 80- = Lower priority

SF PUC

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#2
7/11/96

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 377
July 11, 1996

DOCUMENTS DEPT.
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The June 13, 1996 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Ms Ashe reported that the drainage problem has been resolved in the China Basin structure. She now has a copy of the Blue Book which does not list the street she asked about. She still needs information on clearance standards for freeway structures close to the large sewers in 6th Street: Mr Omokaro will discuss it with her. Work has begun on adjustment to the sewer in Dore between Bryant and Brannan and on traffic control, in preparation for the concrete portion demolition which is still due to start in August. Work at the Alemany Circle will require moving PG&E gas lines.

Mr Wong stated that work has started on traffic rerouting adjustments for the Central Freeway. Some of the affected zone overlaps with the special construction zones (see below for further discussion) for the F-Line project and Chinatown, such as Larkin near Market. Work scheduling for any project in the area should allow for its impact on all three zones. Caltrans would like to have a street opening (trenching) moratorium during the actual demolition work, but this would not affect manhole access in most cases. A public relations effort will include publication of the relevant streets and the conditions for working there. Towaway zones will also be extended.

Sewer Management System Mr. Won reported that next month's Status Report will include changes affecting the Chinatown area coordination effort.

Curb Ramp Standards We will brief the new DPW management on the set of curb ramp issues and the proposed standards.

Status Report Clearances Ms. Chow distributed the current to-be-paved list. We would like each utility to begin its monthly response with the streets in this list, if they have not already done so. We have the same information on disk for each agency if they prefer to use it; please call for assistance with method or file format. Mr Wong asked that each utility take the clearance process seriously, citing a recent incident in which a utility cut a new pavement within a day or two of its being laid, after both projects had been clearly visible to each other's construction inspectors for some time before. The utility in question had cleared the street for resurfacing.

Stick Map Ms Chow displayed a preliminary plot of traffic signal loop locations, which can help to avoid construction projects' damaging the loops. The same data base is available on disk, which makes it easy to link with a utility's project data base. Similar plots and the corresponding tabular reports can be obtained by calling Ms Chow or Mr

Norris. Mr Sams asked if the loops and their leads to the pullboxes could be marked by USA, especially where they have been paved over and the slots are not visible. Mr Woo will look into it; meanwhile, the Traffic Signal Shop can provide drawings for such intersections.

GIS Project Status Mr White invited anyone who did not attend the recent presentations to call him at 557-4740 to set up a time. The cadastral detail layer is now complete and is being placed on CD for subscribers. The center line layer will be completed in late August and issued on CD in September. Ms Chono noted that the BSM permit data bases could be placed on a similar layer, which would greatly ease coordination; Mr White replied that Mr Primeau wants to do that.

NEW BUSINESS

Blue Book Mr Woo reported that the new edition should be issued by the end of this summer. Changes will be minor, apart from curb ramp standards and updates to towaway zones and the like. He asked that utilities needing large numbers of copies help with the reproduction costs. Mr Ladner requested a chance to comment on the draft before final issue.

Construction Zone Posting Regulations Mr Woo distributed copies of a draft resolution aimed at construction posting where no construction is done for long periods, which has been in the media lately. Citizens are rightly displeased at the loss of already-scarce parking for no visible purpose. Mr Wong suggested the utilities study the matter with the purpose of suggesting changes to the resolution and also defusing the public pressure for it by tightening their own procedures (City agencies included). The resolution as written does not address practical issues such as night projects which, by definition, take place after noon. Mr Sams noted part of the problem is the 72 hour advance notice, which does not consider the realities of construction projects. A copy of the draft resolution is attached.

F-Line Special Construction Zone Ms Kohlstrand of the Mayor's Office discussed the need for coordination of MUNI, other City agencies, and utility work to minimize public disruption through 1998, by setting up a special construction zone. The F-Line field office will be the central point for all scheduling and permits for work in the zone. It will be important for everyone to keep everyone else up to date on planning. The whole effort will be highly visible and politically sensitive. A copy of Ms Kohlstrand's handout is attached.

Chinatown Special Construction Zone Ms Chono displayed a map of the various projects in the Chinatown area which, like the F-Line loop, will be highly visible and politically active. This zone is bounded by Union, Bush, Montgomery, and Taylor Streets except for a portion of Pacific Ave west of Taylor St. The narrow streets will have to be closed during construction, which means other sites will have to be phased to minimize traffic problems. There will also be the need to avoid neighborhood peak periods such as

Chinese New Year. BSM will need utilities' comments on the draft regulations before they are issued in final form. Mr Ladner noted that the usual problems will apply for advance notifications of dates and durations, given the nature of the process. Notifications will need to be bilingual as well. Thorough advance publicity will be critical. A copy of the draft permit regulations, a construction schedule, and an area map are attached.

Hunters Point Redevelopment Mr Jew presented an update on the project. The "Art and Education" plan presented earlier has been adopted and the implementation will begin in early 1997. The first phase will involve the new entrance and main access route, which will be the center from which the infrastructure will branch into the rest of the area. Utilities will need to get involved early in the design phase so they do not need to install their services after the new streets are in place. A site map is attached.

The next meeting will be at 10:00 am Thursday, August 8, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

BOARD of SUPERVISORS

401 Van Ness Avenue, Room 308
San Francisco 94102-4532
554-5184

July 1, 1996

File 124-96-7

Mr. John E. Newlin
Executive Director
Department of Parking and Traffic
25 Van Ness Avenue, Suite 410
San Francisco, CA 94102

SUBJECT: Ordinance amending Traffic Code by amending Section 33.1, allowing vehicular parking where temporary parking restrictions are in effect because of public or private construction work and the construction work does not commence by 12:00 noon of the date noticed

Dear Mr. Newlin:

The proposed resolution, which is being sponsored by Supervisors Michael J. Yaki and Sue Bierman, has been referred to the Housing and Land Use Committee of our Board for consideration.

The Committee asks that the Interdepartmental Staff Committee on Traffic and Transportation review this request and submit its report and recommendation promptly so that the matter may be calendared for public hearing.

Thank you for your attention to this matter.

Very truly yours,

John Taylor

John L. Taylor
Clerk of the Board

Attachment

cc: Mr. Bond Yee ✓
Department of Parking and Traffic

FILE NO. 124-96-7 ORDINANCE NO.__________

(RESTRICTED PARKING - CONSTRUCTION ACTIVITY)

AMENDING ARTICLE 3 OF THE SAN FRANCISCO TRAFFIC CODE BY AMENDING SECTION 33.1 THEREOF, ALLOWING VEHICULAR PARKING WHERE TEMPORARY PARKING RESTRICTIONS ARE IN EFFECT BECAUSE OF PUBLIC OR PRIVATE CONSTRUCTION WORK AND THE CONSTRUCTION WORK DOES NOT COMMENCE BY 12:00 NOON OF THE DATE NOTICED.

NOTE: Additions are underlined;
deletions are indicated in ((double parentheses)).

Be it ordained by the people of the City and County of San Francisco:

Section 1. Article 3 of the San Francisco Traffic Code is hereby amended by amending Section 33.1 thereof to read as follows:

SEC. 33.1. VEHICULAR OR PEDESTRIAN TRAFFIC AND PARKING PROHIBITED OR RESTRICTED IN CERTAIN CASES. Whenever any public or private construction work is likely to interfere with the normal flow of vehicular or pedestrian traffic or parking, the Director of Parking and Traffic is authorized to issue a permit instituting such temporary traffic-control and parking regulations as may be necessary during the construction period, to safeguard and expedite the flow of vehicular or pedestrian traffic and parking.

Signs and/or pavement painting, as necessary, shall be placed to inform the public of the temporary regulations.

No person shall stop, park or leave standing any vehicle, whether attended or unattended, on any street where the Department of Parking and Traffic has erected or caused to be erected appropriate signs giving a minimum of 72 hours' notice of the effective dates and times of any temporary parking prohibition. The prohibition imposed by this Section shall not apply on any street posted in accordance with the provisions of this Section on any day when the construction work has not begun by 12:00 noon. The signs giving notice of the temporary parking prohibition shall also give notice that the parking prohibition shall not apply when the construction work does not commence by 12:00 noon of any day during the parking prohibition period. ((,provided that)) ((t)) This Section shall not apply to a vehicle when such vehicle is actually engaged in making delivery or pickup of construction materials being used at the site of the construction work that necessitated issuance of the permit.

When a vehicle is removed from a street at the request of a permittee pursuant to this Section and a post-storage hearing determines that as a result of the permittee's improper posting of the required signs, reasonable grounds did not exist for removal, the responsible permittee shall reimburse the City and County of San Francisco for the cost incurred in storage and towing. If a permittee fails to provide reimbursement or to agree to assume all liability for any improper posting future requests by that permittee for removal of vehicles in violation of this Section shall be denied.

The responsible permittee shall be given timely notice of the vehicle owner's request for a poststorage hearing and the time and place of such hearing.

This Section shall not apply to a utility or public utility, whether privately, municipally, or publicly owned, as defined by State law, nor shall it apply to vehicles of cable television services, when the utility or cable television provider undertakes emergency repairs to utility or cable facilities necessary for the preservation and maintenance of public utility or cable television services.

APPROVED AS TO FORM:

DEPUTY CITY ATTORNEY

PROPOSED CONSTRUCTION COORDINATION APPROACH
FISHERMAN'S WHARF
July 2, 1996

This procedure would go into effect in 1997 at the start of construction of Phase II of the F-Line Project and continue through 1998 (completion of the F-Line Project). An updated list of project and agency contacts shall be maintained by the Waterfront Transportation Projects Office.

Establish a Special Construction Zone - 1997 through 1998

- Area bounded by Bay Street on the south, the Bay on the north, Van Ness Avenue on the west, and The Embarcadero on the east.
- The Department of Parking and Traffic shall prepare standard traffic guidelines for working in this special construction zone. They shall be incorporated into the DPT Blue Book as it is updated.
- All contractors shall be notified of the special construction zone and requested to check in with F-Line Field Office Resident Engineer prior to commencing any work in this area.
- In the event of an emergency, contractors may proceed with the emergency work, but are requested to notify the F-Line Field Office regarding the location and type of activity they are undertaking.

Permit Process

- The Port and DPW, Streets and Mapping, are the two permitting agencies. They will contact the F-Line Field Office Resident Engineer prior to the issuance of any permits in the area.
- The Port and DPW, Streets and Mapping, will distribute copies of all permits issued to each other respectively and the F-Line Field Office Resident Engineer. If the F-Line Field Office Resident Engineer determines that there are potential traffic disruptions or conflicts, the contractor will be referred to the Department of Parking and Traffic to prepare a traffic plan.

Committee of Utility Liaison on Construction and Other Projects (CULCOP)

- The WTP Office shall make a presentation at CULCOP to provide an overview of the procedures outlined and the major projects in the area.

Major Projects, eg. F-Line, Phase II; TSM Project; or PG&E

- The Project Managers for Major Projects shall be responsible for providing DPW and Port permitting sections with updated schedules for their projects on a regular basis.

Proposed Project Work in Fisherman's Wharf Area
Mid-1996 through 1998
July 2, 1996

Public Transportation Commission - Don Chee

July 1996 completion	**Phase I, F-Line Loop** North Point to Powell on The Embarcadero and Beach
Early 1997 through Late 1998	**Phase II - F-Line Loop** Powell to Jones on Jefferson and Beach Streets

Parking and Traffic - Al Herce and Harvey Quan

Late 1996 through Late 1997	TSM Project Signal Upgrade Project on Bay and North Point between Van Ness Avenue and The Embarcadero

PG&E - Gilbert Munoz

See attached list.

Water Department - Joe Pelayo

No major work is proposed outside of the Muni contract

Pacific Bell - Leo Ladner

No major work is proposed.

DPW/Clean Water - Henry Anderson

No major work is proposed.

DPW Paving Projects - Robert Mason

See attached list.

Port of San Francisco - Cliff Jarrard

See attached list of 25 projects.

w:\fline\utilcoor

List of Agency Contacts for Fisherman's Wharf
7/2/96

Rebecca Kohlstrand
Project Manager
Waterfront Transportation Projects Office
554-5781

Nancy Whelan
Deputy Director
Public Transportation Commission, Muni
554-0757

Don Chee
Project Manager, F-Line
Public Transportation Commission (Muni)
554-1823

Al Herce
Wharf Traffic Coordination
Department of Parking and Traffic
554-2324

Cliff Jarrard
Acting Director of Facilities and Operations
Port of San Francisco
274-0541

Nelson Wong
Divsion Manager, Bureau of Engineering
Department of Public Works
554-8281

Robert Mason
Manager, Project Development
Department of Public Works
554-8251

Cynthia Chono
Division Manager, Inspection Services
Department of Public Works
554-6196

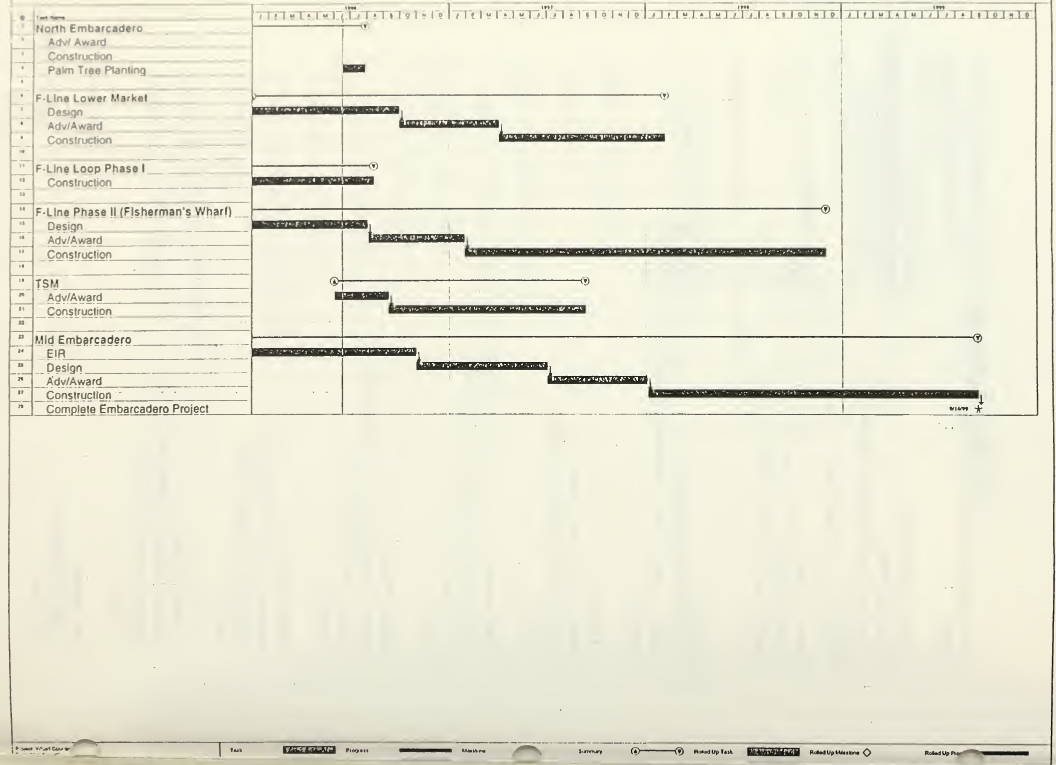
Joe Pelayo
Water Department
550-4916

Henry Anderson
Manager, Hydraulic Section (Sewers)
Department of Public Works
554-8329

Gilbert Munoz
PG&E
695-3550

Leo Ladner
Pacific Bell Engineering
542-9095

Waterfront Transportation Projects
Fisherman's Wharf Area



Department of Public Works **Bureau of Street-Use & Mapping**

DRAFT DRAFT

SPECIAL CONDITIONS

FOR PERMIT NUMBER: ____________________

When work is done within the **Chinatown North Beach Area**, that area bounded by Green, Bush, Taylor and Kearny Streets, the following special permit conditions must be met in addition to all other rules and regulations for excavating in City streets:

1. Prior to the start of construction:
    - i) Permitte shall notify fronting property owners and tenants 3 days in advance of construction of the purpose and duration of the construction. The notification shall include a representative's name and phone number of the permittee as well as a 24 hour emergency phone number and contact name.
    - ii) Notify BSM Inspection two (2) business day before starting construction.
    - iii)Notify the Bureau of Construction Management (BCM) Field Office two (2) business day before starting construction. The field office is located at 1077 Powell Street (Voice - #956-0846, Fax - #956-3343). BCM will coordinate all construction projects in the field and upon concurrence with BSM may suspend this permit due to construction conflicts in the field.

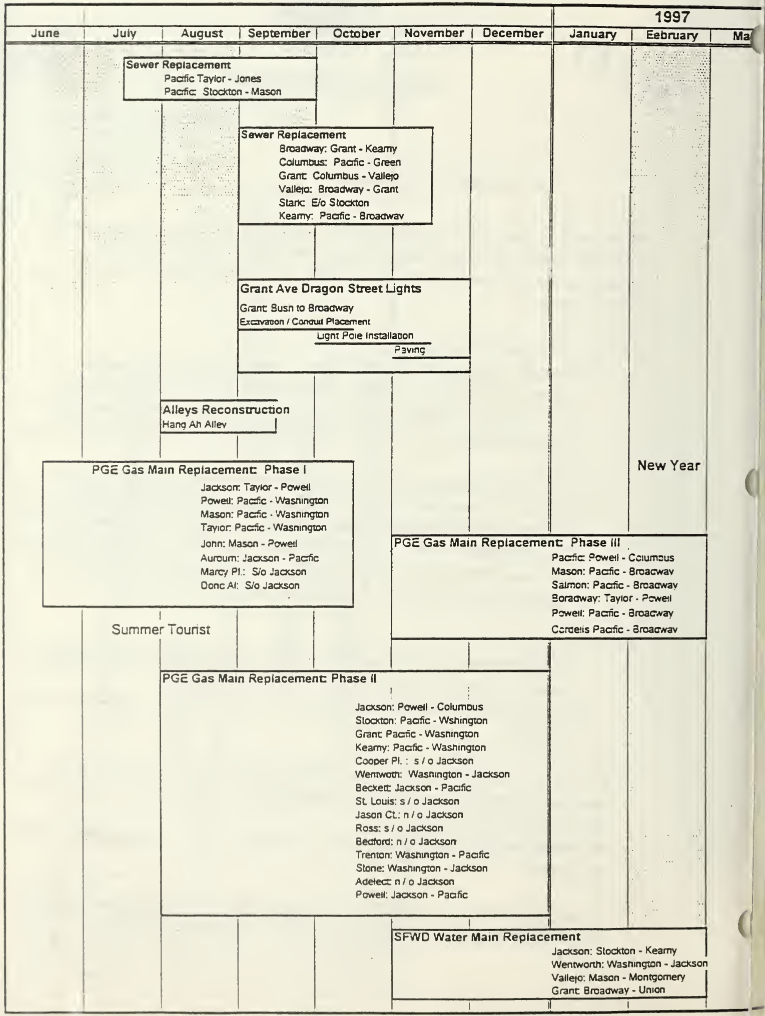
2. Prior to start of construction each day:
    - i) Permittee shall notify the BCM field office of the proposed construction location, duration of construction, traffic control plans.
    - ii) Permitte shall attend field coordination meetings when requested by BCM or BSM.

3. This permit shall expire five (5) days after the stated date of completion. All work including final paving must be completed by the construction completion date stated on the permit.
4. An extension may be granted and must be applied for prior the expiration date of the permit.

5. Violating these special conditions or any other rules or regulations shall subject the permittee to $1,000 a day fine for each day the violation continues.

G:permits\cc\sc-Chinatown.doc 07/11/96

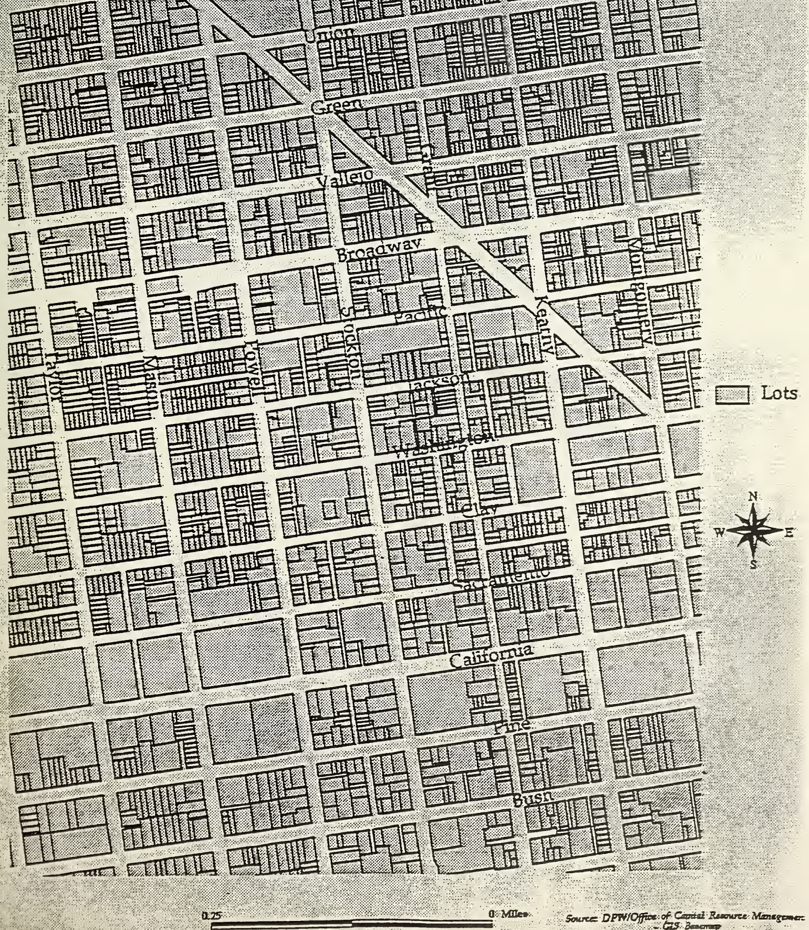
CHINATOWN CONSTRUCTION SCHEDULE
1996 - 1997



June 13, 1996

Utility Construction Projects

Chinatown


Union
Green
Vallejo
Grant
Broadway
Montgomery
Kearny
Pacific
Stockton
Powell
Mason
Taylor
Jackson
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Source: DPW/Office of Capital Resource Management - GIS Basemap

ORIGINAL DEVELOPMENT PLAN

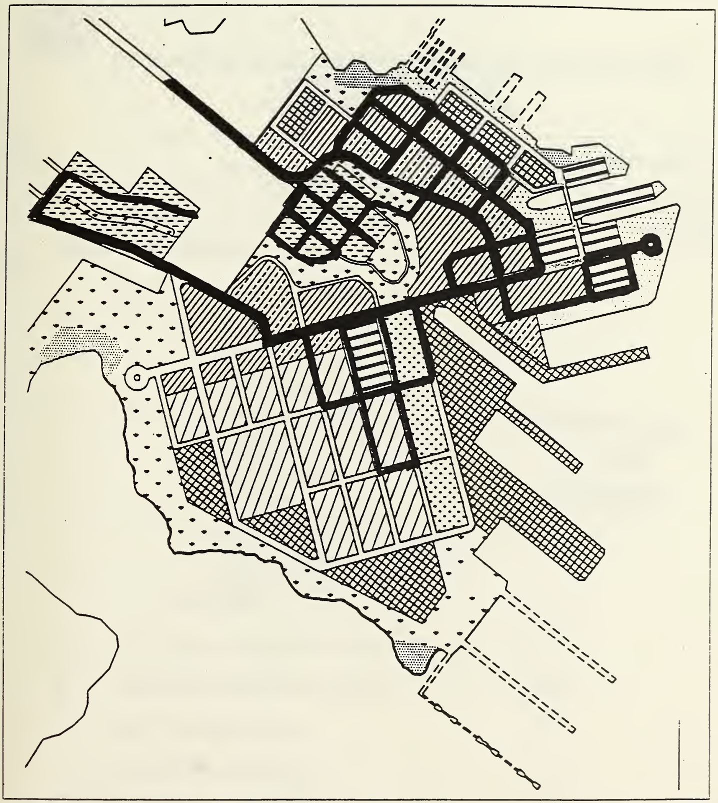

Figure 5.1
Hunters Point Shipyard

DRAFT LAND USE PLAN

FEET 0 600 1200

NORTH

▬ Education/Cultural/Historical

▨ Industrial

▨ Research and Development

☰ Residential

▨ Mixed Use
Business Service
Retail
Artist Studio
Live/Work
Residential

▩ Future Development

☐ Open Space
Passive

▒ Active

░ Hard Surface

▒ Possible Wetland Restoration

■ 2000
■ 2015
▒ 2005
2020
2025
■ 2010

City and County of San Francisco

Department of Public Works
Bureau of Engineering

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8/8/96

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

COMMITTEE MEETING NO. 378

BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR
THURSDAY August 8, 1996
10:00 AM

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- Central Freeway Project
- Sewer Management System
- Curb Ramp Standards
- Status Report Clearances
- Stick Map
- GIS Project Status
- Blue Book
- Construction Zone Posting
- F-Line Special Construction Zone
- Chinatown Special Construction Zone
- Hunters Point Redevelopment

New Business:

II. DPT - Temporary Street Closure Report II - 1

III. Underground Planning Meeting Minutes III - 1

IV. Utility Coordination Report IV - 1

V. Five Year Sewer Plan Report V - 1

VI. Street Work Status Reports VI - 1

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Next Meeting: Thursday September 12, 1996 at 10:00 A. M.
BOE Conference Room
1680 Mission Street, 4th Floor

Accessible Meeting Information

1. The meeting room is wheelchair accessible. Accessible seating for people with disabilities (including those using wheelchairs) will be available.

2. For American sign language interpreters, use of a reader during meeting, or sound enhancements, please contact CULCOP secretary at (415) 554-8274, at least 72 hours in advance of need. Late requests will be honored if possible.

3. Following a meeting, minutes are available in large prints or alternative formats. Please call CULCOP secretary at (415) 554-8274.

4. As part of the City's efforts to accommodate people with severe allergies, environmental illnesses, multiple chemical sensitivity, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these attendees and refrain from wearing perfume or other scented products.

5. The meeting will be held at 1680 Mission Street, the Fourth Floor Conference Room. Accessible Muni line serving this location is:

   Muni Bus Lines: #14, #14L on Mission Street; # 42 on Van Ness Avenue:
   #26 on Valencia Street; #71 on Noriaga Street; #9 on Market Street.
   Muni Street Cars: K, L, M, N, stops at Van Ness Station.

   For further information about MUNI accessible services, call MUNI's Elderly and Handicapped Program at 923-6142, TDD 923-6366.

Friday, July 26, 1996

UPCOMING STREET CLOSURES FOR SPECIAL EVENTS

EVENT	START DATE	END DATE	TYPE	STREETS	OK
SF TRIATHLON	7/27/96	7/27/96	ATHLET	PT.LOBOS:45TH TO END; GREAT HWY	12/28/95 Cancelled
OBON ODORI	7/27/96	7/28/96		OCTAVIA:PINE TO BUSH	6/27/96
SMART	7/27/96	7/28/96		MINNA: 2ND TO NEW MONTGOMERY	7/11/96
FILM SHOOT "A SMILE LIKE YOU	7/28/96	7/28/96		CALIFORNIA:FRONT TO BATTERY	7/24/96
UP YOUR ALLEY FAIR	7/28/96	7/28/96	FAIR	FOL:9TH TO 10TH; DORE:HOW TO FOL	12/14/95
FILM SHOOT"FATHER'S DAY"	7/29/96	7/29/96		ROSE: MARKET TO GOUGH	7/26/96
UNVEILING OF HISTORICAL PLA	7/31/96	7/31/96		BDW:FRONT TO BAT (1 LANE W.BOUND	7/25/96
GRAND OPENING J. SANDER BO	8/1/96	8/1/96		MAIDEN LN: STOCKTON TO GRANT	7/11/96
49'ERS VS DENVER	8/3/96	8/3/96		CANDLESTICK (1 PM)	
NATIONAL INLINE SKATE SERIE	8/3/96	8/4/96		PIER 45 (PORT)	
NIHONMACHI STREET FAIR	8/3/96	8/4/96	FAIR	POST:LAGUNA TO WEBSTER	6/13/96
FILM SHOOT"FATHER'S DAY"	8/5/96	8/6/96		QUINCY:CALIFORNIA TO PINE	7/26/96
CHASE CORPORATE CHALLENG	8/7/96	8/7/96	ATHLET	MKT:MAIN TO STEUART; STEUART: MKT	4/11/96
FILM SHOOT"FATHER'S DAY"	8/9/96	8/10/96		CUSHMAN:CALIFORNIA TO SACRAMENTO	7/28/96
16TH ST. BLOCK PARTY	8/10/96	8/10/96		16TH ST:VAL TO GUERR.(PARKING LANE	Cancelled
49'ERS VS SAN DIEGO	8/10/96	8/10/96		CANDLESTICK (5 PM)	
VIETNAMESE WATER PUPPETS	8/10/96	8/11/96		PIER 45 (PORT)	
VIETNAMESE WATER PUPPETS	8/17/96	8/18/96		PIER 45 (PORT)	
49ERS VS JACKSONVILLE	8/18/96	8/18/96		CANDLESTICK (5 PM)	
ESCAPE FROM ALCATRAZ	8/18/96	8/18/96	ATHLET	MARINA BLVD:LAG TO BAKER-1 LANE ON	6/13/96
UNION ST. BEAUTIFICATION BE	8/18/96	8/18/96		UNION:LAGUNA TO BUC:BUC:GREEN TO	Cancelled
PISTAMAN	8/23/96	8/25/96		3RD ST:MIS TO HOW (2 WESTERLY LANE	Cancelled
BLOCK PARTY	8/24/96	8/24/96		NORMANDIE:BROADWAY TO TERMINUS	7/11/96
GIANT'S RUN TO HOME PLATE	8/24/96	8/24/96	ATHLET	VARIOUS LOCATIONS: CANDLESTICK PA	4/11/96
TENDERLOIN MAKE A CIRCUS	8/24/96	8/24/96		JONES: EDDY TO TURK	6/13/96
NEIGHBORHOOD BLOCK PARTY	8/25/96	8/25/96		EL MIRASOL:SLOAT TO CRESTLAKE	7/25/96
CHINESES VOLLEYBALL TOURN	8/31/96	9/2/96		LOMBARD:POWELL TO MASON	7/11/96
CYCLE MESSENGER WORLD CH	8/31/96	9/2/96	ATHLET	VARIOUS LOCATIONS:FINANCIAL DIST	5/9/96
49ERS VS NEW ORLEANS	9/1/96	9/1/96		CANDLESTICK (1 PM)	
OPERA BALL	9/1/96	9/7/96		FULTON:LARKIN TO HYDE	7/25/96
IL GIRO DI SAN FRANCISCO	9/2/96	9/2/96		VARIOUS LOCATIONS:LEVI STRAUSS PLA	7/11/96
10TH ANNUAL PANCAKE BREAK	9/7/96	9/7/96		PIERCE:CHESTNUT TO TOLEDO WAY	6/27/96
49ERS VS ST. LOUIS	9/8/96	9/8/96		CANDLESTICK (1 PM)	
TENDERLOIN ARTS FESTIVAL	9/8/96	9/8/96		LEAVENWORTH:TURK TO EDDY	7/25/96
24TH STREET FAIR	9/15/96	9/15/96	FAIR	24TH ST.:MISSION TO YORK ETC.	6/27/96
ANNUAL MARCH OF WITNESS	9/15/96	9/15/96		POWELL:BROADWAY TO VALLEJO; PORT	
NEIGHBORHOOD BLOCK PARTY	9/15/96	9/15/96		29TH AVE:LAKE TO CALIFORNIA	
MACARTHUR PARK FESTIVAL	9/20/96	9/20/96		FRONT:JAC TO 80' N OF PACIFIC	7/25/96
CHINATOWN MOON FESTIVAL	9/20/96	9/22/96	FAIR	GRANT:CAL TO PAC; WAS: WAVERLY TO	1/25/96
1996 WEST PORTAL FINE ARTS	9/20/96	9/23/96		WEST PORTAL:14TH TO 15TH AVES.	7/25/96
CHILEAN INDEPENDANCE DAY	9/21/96	9/21/96		CAPP:16TH ST. TO ADAIR	
NEIGHBORHOOD BLOCK PARTY	9/21/96	9/21/96		26TH AVE: LINCOLN TO IRVING	7/25/96
NEIGHBORHOOD BLOCK PARTY	9/22/96	9/22/96		GREEN:LEAVENWORTH TO JONES	
SUKKOT:FESTIVAL OF THE BOO	9/28/96	9/28/96	FAIR	ARGUELLO:SAC TO WAS; LAKE:ARG TO	2/8/96

UPCOMING STREET CLOSURES FOR SPECIAL EVENTS

Friday, July 26, 1996

EVENT	START DATE	END DATE	TYPE	STREETS	OK
49ERS VS ATLANTA	9/29/96	9/29/96		CANDLESTICK (1 PM)	
FOLSOM ST. FAIR	9/29/96	9/29/96	FAIR	FOL: 7TH TO 12TH ETC.	12/14/95
SF EAGLE CELEBRATION	9/28/96	9/28/96		12TH ST.:FOLSOM TO HARRISON	6/13/96
STREET FREE OF TOBACCO	10/5/96	10/5/96		LUCKY: 24TH TO 25TH STREETS	6/13/96
WORLD PUMPKIN WEIGH OFF	10/5/96	10/6/96		PORT	
SF MOTORCYCLE RUN	10/5/96	10/6/96		PAGE: FRANKLIN TO GOUGH	4/25/96
BLESSING OF THE FISHING FLE	10/6/96	10/6/96		FILBERT:STO TO POW; JEFF:JONES TO T	3/26/96
BRIDGE TO BRIDGE RUN	10/6/96	10/6/96	ATHLET	NBEMB:HOW TO JEF; JEF:EMB TO AQUA	12/14/95
CASTRO STREET FAIR	10/6/96	10/6/96	FAIR	VARIOUS LOCATIONS:CASTRO DISTRICT	5/23/96
NEIGHBORHOOD BLOCK PARTY	10/6/96	10/6/96		23RD ST: CASTRO TO DIAMOND	6/27/96
IMMIGRANT PRIDE DAY, 1996	10/12/96	10/12/96		MISSION:24TH TO 25TH STS.	
FIESTA ON THE HILL	10/19/96	10/19/96	FAIR	CORTLAND:BENNINGTON TO ELLSWORT	
PUMPKIN FESTIVAL ON POLK	10/19/96	10/20/96	FAIR	POLK: FIL TO PAC; VJO: POK TO GRE	2/8/96
49ERS VS CINCINNATI	10/20/96	10/20/96		CANDLESTICK (1 PM)	
HALLOWEEN	10/31/96	11/1/96		VARIOUS LOCATIONS:CASTRO DISTRICT	
HALLOWEEN	10/31/96	11/1/96	FAIR	VARIOUS LOCATIONS:CIVIC CENTER & C	7/11/96
49ERS VS DALLAS	11/10/96	11/10/96		CANDLESTICK (1 PM)	
49ERS VS BALTIMORE	11/17/96	11/17/96		CANDLESTICK (1 PM)	
RUN TO THE FAR SIDE	12/1/96	12/1/96	ATHLET	OAK&FELL:STANYAN TO BRODERICK ETC	12/14/95
HAMLIN SCHOOL HOLIDAY FAIR	12/7/96	12/7/96		BROADWAY:BUC TO WEB	7/11/96
49ERS VS CAROLINA	12/8/96	12/8/96		CANDLESTICK (1 PM)	
49ERS VS DETROIT	12/23/96	12/23/96		CANDLESTICK (6 PM)	
FLOWER STREET FAIR	1/31/97	2/2/97	FAIR	GRA:JAC TO BWD; PAC:STO TO COL	6/27/96
COMMUNITY STREET FAIR	2/21/97	2/23/96	FAIR	GRA:JAC-BWD;PAC:STO-COL;JAC:STO-G	6/27/96

Fume 10/10/96

City and County of San Francisco

Department of Public Works
Bureau of Engineering

UTILITY COORDINATION REPORT
for June 29, 1996 to July 31, 1996

Notice of Intent and Request for Information Issued:	**Date**
1281N-Various Locations Hunters Point District Pavement Renovation	07-31-96

Final Preliminary Plans Issued:	
1195N-Market and Steuart Streets AWSS Relocation	07-02-96
1255N-San Jose Avenue Sewer Replacement	07-10-96

State of California:

None

Other	
Proposed Street Vacation and Establishment of an official Sidewalk on the Southerly Side of Eagle Street between Market and Mono Streets	07-16-96
M810.3-Platform Canopy and Communication System Project. Final Review Package	07-16-96

Department of Public Works **Bureau of Street-Use & Mapping**

RECEIVED
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PROJECT DEVELOPMENT

UNDERGROUND PLANNING MEETING

MEETING DATE: July 2, 1996

PRESENT:	Tom Trimbur	-	DPW/BSM	(554-6167)
	Peter Albert	-	DCP	(558-6310)
	Terry Bouey	-	VIACOM	(863-8500)
	Leo Ladner	-	PacBell	(542-9095)
	Chris Baker	-	PG&E	(695-3337)
	Carlos DeAnda	-	PG&E	(330-2138)
	Don Stroh	-	Dolores Hts. Improv. Club	(826-8296)
	David Evers	-	Dolores Hts. Improv. Club	(285-4610)
	Amy Powell	-	Dolores Hts. Improv. Club	(647-4228)

DISCUSSION:

A. PROJECT STATUS

1. UGD 318 - DOLORES HEIGHTS ASSESSMENT DISTRICT

PHASE 1 - Mr. Ladner reported that the changes for the inclusion of additional VIACOM conduit had been completed and that the package had been sent to Pac Bell's San Ramone contract group. The package has been placed in the queue with other PacBell construction projects. There will be a pre-bid meeting on July 15th at 9:00 AM at 610 Brannan Street. Six contractors have been invited to bid.

PG&E is in process of reviewing preliminary electrical layout for Dorlan and Dolores Terrace in relation to the lighting layout. They will provide Mr. Trimbur a feed locations for the streetlighing contract.

Mr. Trimbur reported that DPW had a productive meeting with MUNI capital improvements personnel about locating PacBell switching box at 22nd and Church on MUNI property. DPW will be working with MUNI and Department of Real Estate to generate generic language for placing any such structure on public lands out of the right-of-way. Mr. Ladner reported that Bonnie Fellipo who has been handling this issue for PacBell is retiring and that he assumed that there would be a referral number on her telephone/mail delivery. If there are any problems, Mr. Ladner will provide contact.

PHASE 2 - PG&E proceeding with preliminary design.

2. UGD 310 - PRESIDIO HEIGHTS

PHASE 1 - Mr. Ladner reported that four properties for which public hearing were held had still not completed conversion work. Mr. DeAnda supplied list of additional properties that have not converted. Mr. Trimbur will pursue via final notice for former and additional hearing for latter.

PHASE 2 - Mr. Trimbur reported that preliminary streetlighting design for Phase 2 was completed and that sidewalks will be painted with proposed locations for lights. Both proposed post-top and cobra locations will be painted. Mr. Trimbur will work with community to determine which type of lights to be installed.

Mr. Ladner reported that PacBell's work on the project is on hold since the contractor who was working on the project was no longer on board. Staffing levels are causing serious delays on undergrounding projects.

3. UGD 319 - HARRISON STREET BETWEEN 10TH & 11TH
Mr. Trimbur had City staff on site to assess the required abatement work. The owner reported that he no longer had a tenant and that he was requesting that PG&E discontinue service. Owner wrote letter to that effect. PG&E reported that they talked to tenant and that he was on site and planned to be there at least through the end of July. Mr. Trimbur will proceed with the abatement process unless resolved otherwise.

4. UGD 320 - BREWSTER/JOY
Temporary poles to relocate facilities and permit construction of roadway are installed. Work on temporary facilities should be complete on 25 July.

Mr. Baker stated that in their application for an excavation permit, PG&E had requested an inspection fee waiver and that the request had been denied. PG&E feels that they have a good case for such a request, e.g. CPUC rulings, and will be pursuing the matter.

5. UGD 321 - INDIANA STREET/ISLAIS CREEK
No report.

B. OTHER BUSINESS

1. Public hearings for Duboce/Church and Bayshore Weave are scheduled for Wednesday, 10 July at 9:00 AM in Room 428, War Memorial Veterans Building, 401 Van Ness Avenue.

2. Mr. Trimbur to transmit legislation for Cesar Chavez and Duboce/Church and Bayshore Weave to Board this month.

3. DPW will be holding public hearings on the Gough/Green and Inner Sunset districts and will be transmitting legislation to the Board for these districts soon.

4. Mr. Trimbur has not completed an overall schedule for projects but will provide top priority projects in near future.

5. Mr. Ladner reported that PacBell's engineering for undergrounding projects, including Presidio Phase II and Dolores Phase II, continue to be delayed due to lack of engineering staff, and, if anything, that the situation is getting worse. Mr. will be report this situation to DPW management.

THE NEXT MEETING WILL BE HELD ON TUESDAY, 6 AUGUST, AT 9:00 A.M. AT 875 STEVENSON STREET, FOURTH FLOOR, BSM CONFERENCE ROOM.

cc: All Attendees
CULCOP - thru Joe Norris
Ray Gigliati - BSM
Hin Lok Kung - BOE
Jack Donohoe - DET
Charles Germer - PG&E
Manfred Wong - PMD
David Assadurian - PacBell
Chris Southard - PG&E
Carlos DeAnda - PG&E
Denise Brady - BSM
Cynthia Chono - BSM
Ray Yamagishi - BLHP
Larry Fitzgerald - MUNI
Sam Lauter - PG&E
Carol Finucane - BOE
Lynn Bunim - PacTel
Brian Gatter - BOE/Landscape
Joe Morino - DHIC
Norman Chan - BOE
Tom Flahavan - DET
Mike Callow - VIACOM
Dee Lemmon - BLHP
Joe Ovadia - PMD
Naoki Kaku - BOE
Ken Flinn - PG&E
Lesley Wong - DPW/BOE/S&H

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COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION

AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

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MINUTES OF MEETING NO. 378

August 8, 1996

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Amy Chow	554-8249
Berhane Gaime	554-8271
P T Law	554-8347
Joe Norris	554-8274
Eric Omokaro	554-8320
Armando Villanueva	558-4544
Nelson Wong	554-8281

Bureau of Street and Sewer Repair

Niles McDonald	695-6673

Bureau of Street Use Management

Rene Lopez	554-6201

DPW Public Affairs

☛ **(Representative not present)**

Department of Parking and Traffic

Scott Broady	554-2326

MUNI Engineering

☛ **(Representative not present)**

San Francisco Port Authority

☛ **(Representative not present)**

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department

City Distribution Division

Joe Pelayo	550-4916

Caltrans

Karen Ashe	557-7052
Dean Drablos	330-6537
Tom Franklin	510-286-4424
Don Manning	557-4021

Pacific Bell

Leo Ladner	542-9095
Gil Sams	542-7428

Pacific Gas & Electric

☛ **(Representative not present)**

SF Thermal

☛ **(Representative not present)**

Viacom Cablevision

☛ **(Representative not present)**

Navigation Technologies

☛ **(Representative not present)**

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 378
August 8, 1996

The July 11, 1996 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Ms Ashe reported that she still has not heard about the sewers in 6th Street; Mr Omokaro will follow up. Work is suspended on the sewer in Dore between Bryant and Brannan. pending abatement of a hazardous waste deposit that has been uncovered there. The next sewer sites will be at the intersection of Potrero and Division Streets and in San Bruno Ave. PG&E has started work on the high voltage lines at 16th and 7th Sts and will begin next in San Bruno between Division and 15th St. There is a problem at the traffic control construction at Market, Polk, and Fell, where they need PG&E to remove an abandoned 30" gas line in time for them to pour concrete on Saturday. The utility potholing at 19th Ave and Holloway needs to be done by PG&E by the end of this month.

Mr Manning (welcome back!) reported that the Central Freeway will close for demolition on August 25, and that Duboce Ave will be closed on or shortly after August 19. The demolition will begin over Duboce and proceed towards Fell St. Interested parties should contact him to walk Duboce to note any remaining utility issues. Any utility work in the general area will affect the already disrupted traffic, such as the SFWD project that is scheduled for bid opening soon, in 10th St between Howard and Bryant. Mr Franklin noted that in the section subject to Caltrans permit, this could affect the issuance of permits, for which SFWD has not yet applied.

Sewer Management System There was no report this month.

Curb Ramp Standards We have briefed the new DPW management on the set of curb ramp issues and the proposed standards.

Status Report Clearances Ms. Chow asked for prompt responses to the clearance requests so we can get the Status Report out sooner. Please begin with the listing at the front of the Status Report section of the minutes package. If you use the disk option it will show you the clearance dates for your utility, which are not on the paper form. Ms Chow noted special thanks for Mr Trimbur's recent clearance response which released over sixty blocks for paving. Mr Ladner asked if utility-specific listings could be issued, which would be much easier for the utilities to work with; the last listing is still being routed around Pac Bell's offices. Ms Chow answered that we would be happy to prepare such listings and fax them direct if requested.

Stick Map Ms Chow displayed 5 Year Project Maps for SFWD, Sewers, PG&E, and DPT, and the current set of 1996 Paving Projects. She reminded members that she and Mr Norris welcome plot requests or suggestions.

Blue Book Mr Broady reported that the revisions are still proceeding. He will follow up regarding users' reviews before final issue, when the editing is completed. Interested parties can also call Mr Woo.

Construction Zone Posting Regulations The Board has not yet acted on it. DPW and ISCOT both have problems with it as written. Other interested parties should contact Supervisor Yaki direct.

Chinatown Special Construction Zone Mr Lopez distributed the final version of the regulations. The essential issue is an accurate commitment to working dates; the usual six month window will not work. There will be a project status meeting at 875 Stevenson in the second week of September; call Ms Chono for details.

NEW BUSINESS

Construction Site Traffic Routing Mr Broady noted problems with utilities working near major construction sites such as King St, disrupting the site's special traffic routing arrangement. In such cases, please contact the site's RE to coordinate.

Contractors in Towaway Zones Mr Broady noted problems with contractors leaving vehicles and materials in permanent towaway zones. This is never permitted; members must instruct their contractors to observe the regulations. Mr Franklin noted that Caltrans has the same policy.

Chinatown Scheduling Mr Law noted that the sewer project schedule shown on the back of the special construction zone regulations shows two and a half months when it should be five (150 days). This contract, a Class B project, is due to bid in a couple of weeks, to run until late January exclusive of Christmas. Mr Wong questioned the scheduling since the five months would have to include Christmas unless they resume after Chinese New Year; Christmas is less significant to street traffic in Chinatown. Mr Law said they were complying with Mr Mamak's requirement to stop during the Christmas moratorium. Mr Wong suggested consulting with Anna Wong and the community about the advisability of working straight through and finishing before Chinese New Year rather than stop and return twice, which would be much more disruptive and generate more negative PR.

The next meeting will be at 10:00 am Thursday, September 12, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

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City and County of San Francisco **Department of Public Works**
Bureau of Engineering

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

COMMITTEE MEETING NO. 379

DOCUMENTS DEPT.
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BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR
THURSDAY September 12, 1996
10:00 AM

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- Sewer Management System
- Curb Ramp Standards
- Status Report Clearances
- Stick Map
- Blue Book
- Construction Zone Posting
- Chinatown Special Construction Zone
- Hunters Point Redevelopment

New Business:
- Transitions in DPW Regarding CULCOP

II. DPT - Temporary Street Closure Report II - 1

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IV. Utility Coordination Report IV - 1

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Next Meeting: Thursday September 12, 1996 at 10:00 A. M.
BOE Conference Room
1680 Mission Street, 4th Floor

Accessible Meeting Information

1. The meeting room is wheelchair accessible. Accessible seating for people with disabilities (including those using wheelchairs) will be available.

2. For American sign language interpreters, use of a reader during meeting, or sound enhancements, please contact CULCOP secretary at (415) 554-8274, at least 72 hours in advance of need. Late requests will be honored if possible.

3. Following a meeting, minutes are available in large prints or alternative formats. Please call CULCOP secretary at (415) 554-8274.

4. As part of the City's efforts to accommodate people with severe allergies, environmental illnesses, multiple chemical sensitivity, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these attendees and refrain from wearing perfume or other scented products.

5. The meeting will be held at 1680 Mission Street, the Fourth Floor Conference Room. Accessible Muni line serving this location is:

   Muni Bus Lines: #14, #14L on Mission Street; # 42 on Van Ness Avenue;
   #26 on Valencia Street; #71 on Noriega Street; #9 on Market Street.
   Muni Street Cars: K, L, M, N, stops at Van Ness Station.

   For further information about MUNI accessible services, call MUNI's Elderly and Handicapped Program at 923-6142, TDD 923-6366.

Upcoming Street Closures

EVENT	START DATE	END DATE	TYPE	STREETS	OK
FILM SHOOT "THE GAME"	9/11/96	9/11/96		SANSOME:BUSH-PINE	8/29/96
FILM SHOOT "THE GAME"	9/13/96	9/15/96		PETRARCH:PINE-BUSH	8/29/96
FILM SHOOT "THE GAME"	9/13/96	9/15/96		PINE:MONTGOMERY-SANSOME	8/29/96
FILM SHOOT "THE GAME"	9/13/96	9/16/96		LEIDESDORFF:CALIFORNIA-PINE	8/29/96
24TH STREET FAIR	9/15/96	9/15/96	FAIR	24TH ST.:MISSION TO YORK ETC.	6/27/96
ANNUAL MARCH OF WITNESS	9/15/96	9/15/96		POWELL:BROADWAY TO VALLEJO; PORT	
NEIGHBORHOOD BLOCK PART	9/15/96	9/15/96		29TH AVE:LAKE TO CALIFORNIA	
FILM SHOOT"DESPERATE MEA	9/18/96	9/18/96		STEVENSON:6TH TO 7TH ST	
MACARTHUR PARK FESTIVAL	9/20/96	9/20/96		FRONT:JAC TO 80' N OF PACIFIC	7/25/96
NORTEL BLOCK PARTY	9/20/96	9/20/96		STOCKTON:O'FARRELL TO MARKET	8/8/96
FILM SHOOT"DESPERATE MEA	9/20/96	9/21/96		1ST ST:FOLSOM TO HARRISON	
CHINATOWN MOON FESTIVAL	9/20/96	9/22/96	FAIR	GRANT:CAL TO PAC; WAS: WAVERLY TO	1/25/96
1996 WEST PORTAL FINE ARTS	9/20/96	9/23/96		WEST PORTAL:14TH TO 15TH AVES.	7/25/96
CHILEAN INDEPENDANCE DAY	9/21/96	9/21/96		CAPP:16TH ST. TO ADAIR	
NEIGHBORHOOD BLOCK PART	9/21/96	9/21/96		28TH AVE: LINCOLN TO IRVING	7/25/96
NEIGHBORHOOD BLOCK PART	9/22/96	9/22/96		GREEN:LEAVENWORTH TO JONES	
FILM SHOOT "THE GAME"	9/22/96	9/25/96		ANNIE:JESSIE-MISSION	8/29/96
FILM SHOOT"DESPERATE MEA	9/25/96	9/25/96		20TH ST:PENNSYLVANIA TO TENNESSEE	
FILM SHOOT "THE GAME"	9/27/96	9/28/96		LEIDESDORFF:CALIFORNIA-PINE	8/29/96
ST. PHILLIPS ANNUAL FESTIVAL	9/28/96	9/28/96		ELIZABETH:CASTRO TO DIAMOND	8/8/96
FILM SHOOT "THE GAME"	9/28/96	9/29/96		MASON:CALIFORNIA-PINE	8/29/96
SUKKOT:FESTIVAL OF THE BO	9/28/96	9/29/96	FAIR	ARGUELLO:SAC TO WAS; LAKE:ARG TO	2/8/96
49ERS VS ATLANTA	9/29/96	9/29/96		CANDLESTICK (1 PM)	
FOLSOM ST. FAIR	9/29/96	9/29/96	FAIR	FOL: 7TH TO 12TH ETC.	12/14/95
NEIGHBORHOOD BLOCK PART	9/29/96	9/29/96		15TH AVE:FULTON TO CABRILLO	8/8/96
SF EAGLE CELEBRATION	9/29/96	9/29/96		12TH ST.:FOLSOM TO HARRISON	6/13/96
ST. PHILLIPS ANNUAL FESTIVAL	9/29/96	9/29/96		ELIZABETH:CASTRO TO DIAMOND	8/8/96
FILM SHOOT "THE GAME"	9/29/96	9/30/96		JOICE ST. STEPS: PINE-CALIFORNIA	8/29/96
FILM SHOOT "THE GAME"	9/29/96	10/1/96		BUSH:POWELL-STOCKTON	8/29/96
FILM SHOOT "THE GAME"	9/29/96	10/1/96		DASHIELL HAMMETT(MONROE):PINE-BU	8/29/96
FILM SHOOT "THE GAME"	9/29/96	10/1/96		STOCKTON:PINE-BUSH	8/29/96
FILM SHOOT "THE GAME"	10/1/96	10/1/96		BUSH:MONTGOMERY-PINE	8/29/96
FILM SHOOT "THE GAME"	10/1/96	10/1/96		SANSOME:PINE-SUTTER	8/29/96
FILM SHOOT "THE GAME"	10/1/96	10/4/96		LEIDESDORFF:SACRAMENTO-PINE	8/29/96
NEIGHBORHOOD BLOCK PART	10/5/96	10/5/96		MERCEDES WAY:CEDRO TO PALOMA	8/8/96
STREET FREE OF TOBACCO	10/5/96	10/5/96		LUCKY: 24TH TO 25TH STREETS	6/13/96
WORLD PUMPKIN WEIGH OFF	10/5/96	10/5/96		PORT	
SF MOTORCYCLE RUN	10/5/96	10/6/96		PAGE: FRANKLIN TO GOUGH	4/25/96
FILM SHOOT "THE GAME"	10/5/96	10/8/96		EMB.:FOLSOM-BRYANT	8/29/96
FILM SHOOT "THE GAME"	10/5/96	10/8/96		HARRISON:EMB.-SPEAR	8/29/96
FILM SHOOT "THE GAME"	10/5/96	10/8/96		STEUART:FOLSOM-HARRISON	8/29/96
BLESSING OF THE FISHING FLE	10/6/96	10/6/96		FILBERT:STO TO POW; JEFF:JONES TO	3/28/96
BRIDGE TO BRIDGE RUN	10/6/96	10/6/96	ATHLET	NBEMB:HOW TO JEF; JEF:EMB TO AQUA	12/14/95
CASTRO STREET FAIR	10/6/96	10/6/96	FAIR	VARIOUS LOCATIONS:CASTRO DISTRICT	5/23/96

Upcoming Street Closures

EVENT	START DATE	END DATE	TYPE	STREETS	OK
NEIGHBORHOOD BLOCK PART	10/6/96	10/6/96		23RD ST: CASTRO TO DIAMOND	6/27/96
FILM SHOOT "THE GAME"	10/8/96	10/9/96		STEVENSON:2ND-NEWN MONTGOMERY	8/29/96
FILM SHOOT "THE GAME"	10/11/96	10/12/96		WAVERLY:WASHINGTON-CLAY	8/29/96
DOUBLE TEN CELEBRATION	10/12/96	10/12/96		GRANT: JACKSON TO WASHINGTON	
IMMIGRANT PRIDE DAY, 1996	10/12/96	10/12/96		MISSION:24TH TO 25TH STS.	
POTRERO HILL FESTIVAL	10/12/96	10/12/96		MISSOURI: 19TH AND 20TH STS.	
POTRERO HILL FESTIVAL	10/12/96	10/12/96		MISSOURI: 19TH-20TH	
DOUBLE TEN CELEBRATION	10/13/96	10/13/96		GRANT: JACKSON TO WASHINGTON	
NEIGHBRHD. ASSOC. PARTY	10/13/96	10/13/96		COMMONWEALTH:EUCLID-GEARY	
NEIGHBORHOOD BLOCK PART	10/13/96	10/31/96		15TH AVE: LAKE TO CALIFORNIA	
FIESTA ON THE HILL	10/19/96	10/19/96	FAIR	CORTLAND:BENNINGTON TO ELLSWORT	
FUNDRAISER	10/19/96	10/19/96		GREENWICH:SANSOME-BATTERY	
OCTOBERFEST	10/19/96	10/20/96		SCOTT:CHESTNUT-LOMBARD	
PUMPKIN FESTIVAL ON POLK	10/19/96	10/20/96	FAIR	POLK: FIL TO PAC; VJO: POK TO GRE	2/8/96
49ERS VS CINCINNATI	10/20/96	10/20/96		CANDLESTICK (1 PM)	
GALA DINNER	10/20/96	10/21/96		5TH ST:MARKET-JESSIE	
GLEN PARK COMMUNITY FESTI	10/27/96	10/27/96		WILDER:DIAMOND TO 200 EASTERLY	
HALLOWEEN	10/28/96	11/1/96		FULTON: LARKIN TO HYDE	
HALLOWEEN FOR KIDS	10/31/96	10/31/96		FAIR OAKS:22ND TO 25TH STS.	
HALLOWEEN	10/31/96	11/1/96		VARIOUS LOCATIONS:CASTRO DISTRICT	
HALLOWEEN	10/31/96	11/1/96	FAIR	VARIOUS LOCATIONS:CIVIC CENTER & C.	7/11/96
DAY OF THE DEAD PROCESSIO	11/2/96	11/2/96		24THST:BRY TO MIS; MISSION: 24TH TO 2	
49ERS VS DALLAS	11/10/96	11/10/96		CANDLESTICK (1 PM)	
THANKSGIVING COMMUNITY CE	11/16/96	11/16/96		JONES: EDDY TO TURK	
49ERS VS BALTIMORE	11/17/96	11/17/96		CANDLESTICK (1 PM)	
RUN TO THE FAR SIDE	12/1/96	12/1/96	ATHLET	OAK&FELL:STANYAN TO BRODERICK ET	12/14/95
HAMLIN SCHOOL HOLIDAY FAIR	12/7/96	12/7/96		BROADWAY:BUC TO WEB	7/11/96
49ERS VS CAROLINA	12/8/96	12/8/96		CANDLESTICK (1 PM)	
49ERS VS DETROIT	12/23/96	12/23/96		CANDLESTICK (6 PM)	
FLOWER STREET FAIR	1/31/97	2/2/97	FAIR	GRA:JAC TO BWD; PAC:STO TO COL	6/27/96
COMMUNITY STREET FAIR	2/21/97	2/23/96	FAIR	GRA:JAC-BWD;PAC:STO-COL;JAC:STO-G	6/27/96

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Department of Public Works **Bureau of Street-Use & Mapping**

SEAL OF THE CITY AND COUNTY OF SAN FRANCISCO

UNDERGROUND PLANNING MEETING

MEETING DATE: August 6, 1996

PRESENT:	Tom Trimbur	-	DPW/BSM	(554-6167)
	John Fadeff	-	DPW/BSM	(554-5830)
	Terry Bouey	-	VIACOM	(863-8500)
	Carlos DeAnda	-	PG&E	(330-2138)
	Don Stroh	-	Dolores Hts. Improv. Club	(826-8296)
	David Evers	-	Dolores Hts. Improv. Club	(285-4610)
	Lesley Wong	-	DPW/BOE/S&H	(554-8252)
	Lynn Nakasato	-	DPW/BOE/S&H	(554-8269)

DISCUSSION:

A. PROJECT STATUS

1. UGD 318 - DOLORES HEIGHTS ASSESSMENT DISTRICT

PHASE 1 - Mr. Ladner was not present but had provided a status report through Mr. Trimbur. Bids are due on August 9 with a proposed start date of August 19.

City received revised PG&E preliminary electrical layout for Dorlan and Dolores Terrace showing feeds for street lights.

City to set up meeting with MUNI to finalize proposal for telephone switching box at 22nd and Church.

PHASE 2 - PG&E proceeding with preliminary design approximately - 20% complete.

2. UGD 310 - PRESIDIO HEIGHTS

PHASE 1 - Mr. Ladner reported that four properties for which public hearing held had not completed conversion work. Mr. DeAnda supplied list of additional properties that have not converted. Mr. Trimbur will pursue via final notice for former and additional hearing for latter.

PHASE 2 - Mr. Trimbur reported that preliminary streetlighting design for Phase 2 was completed and that sidewalks to be painted with proposed locations for lights. Both proposed post-top and cobra heads will locations will be painted. Mr. Trimbur to work with community to determine which type of lights to be installed.

Mr. Ladner reported that PacBell's work on the project will be picked up again by the same contractor that was duing project. Will work on substructure first.

3. UGD 319 - HARRISON STREET BETWEEN 10TH & 11TH

Mr. Trimbur to proceed with the abatement process unless resolved otherwise.

(415) 554-5800 Fax (415) 554-6161 875 Stevenson St. Rm. 460 San Francisco 94103-0942

4. UGD 320 - BREWSTER/JOY

Temporary poles to relocate facilities and permit construction of roadway are installed. One additional guy needs to be relocated or pole removed.

5. UGD 321 - INDIANA STREET/ISLAIS CREEK

No report.

B. OTHER BUSINESS

1. Mr. Trimbur introduced John Fadeff, a new DPW/BSM employee, who will be assisting on the undergrounding program.
2. Mr. Trimbur to transmit legislation for Cesar Chavez and Duboce/Church and Bayshore Weave to Board this month.
3. DPW held hearing on Gough/Green on 24 July and will be holding public hearing on the Inner Sunset district, and will be transmitting legislation to the Board for these districts soon.
4. Mr. Ladner had also reported to Mr. Trimbur that PacBell was hiring engineering support for their undergrounding work.

THE NEXT MEETING WILL BE HELD ON TUESDAY, 3 SEPTEMBER, AT 9:00 A.M. AT 875 STEVENSON STREET, FOURTH FLOOR, BSM CONFERENCE ROOM.

cc: All Attendees
CULCOP - thru Joe Norris
Ray Gigliati - BSM
Hin Lok Kung - BOE
Jack Donohoe - DET
Charles Germer - PG&E
Manfred Wong - PMD
David Assadurian - PacBell
Chris Southard - PG&E
Peter Albert - DCP
Carlos DeAnda - PG&E
Denise Brady - BSM
Cynthia Chono - BSM
Ray Yamagishi - BLHP
Larry Fitzgerald - MUNI
Sam Lauter - PG&E
Carol Finucane - BOE
Lynn Bunim - PacTel
Brian Gatter - BOE/Landscape
Leo Ladner - PacBell
Joe Morino - DHIC
Norman Chan - BOE
Tom Flahavan - DET
Mike Callow - VIACOM
Dee Lemmon - BLHP
Joe Ovadia - PMD
Naoki Kaku - BOE
Ken Flinn - PG&E

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City and County of San Francisco

Department of Public Works
Bureau of Engineering

UTILITY COORDINATION REPORT

for August 1, 1996 to August 30, 1996

Notice of Intent and Request for Information Issued:	**Date**
6094Q Mid Embarcadero Project (Revised)	08/01/96
6094Q Mid Embarcadero Project (Selected Utility Agencies)	08/28/96
7226E Various Locations: Construction of Curb Ramps STP #8 (Selected Utility Agencies)	08/19/96
7455E Florida, Indiana, Wisconsin, and 19th Streets, Sidewalk Alignment (Special Request)	08/20/96

Final Preliminary Plans Issued:

1184N Various Locations Concrete Street reconstruction No. 10	08/06/96
1252N Shotwell Street Sewer Replacement	08/23/96

State of California:

04-SF-101 PM R0,0/R3.2 Traffic Operation System 04220 -- 150551	08/20/96
04-SF-80 PM 3.9/4.3 Seismic Retrofit SF-80 EA: 133479 Ut. No. 1234	08/26/96

Other

Downtown Ferry Terminal Project	08/16/96
Proposed Changes in Official Sidewalk Width on the South Side of Market Street Northeasterly of 7th Street in Front of Aida Hotel	08/30/96

PROJECTS IN PROGRESS

revised 9/3/96:LOG.XLW

PROJECT #	PROJECT COORDINATOR	PHONE #	PROJECT TITLE	NEAREST DUE DATE
—N	GENE HANDA	554-8341	SUNNYDALE SEWER IMPROVEMENTS	07/03/96 - N
—N	ERIC KJELSERG	554-8277	FISHERMAN'S WHARF TRIANGLE & PLAZA IMPROVEMENTS	08/14/95 - N
1004N	RUFINO DE LEON	554-8945	EVANS AVENUE AT POST OFFICE: STREET REGRADING (PR)	09/06/94 - N
1022N	LESLEY WONG	554-8252	HAIGHT AND PAGE STS (PR)	01/30/95 - N
1036N	LESLEY WONG	554-8252	FOURTH STREET (PR)	08/10/95 - N
1057N	NAOKI KAKU	554-8246	VARIOUS LOCATIONS, BUENA VISTA DISTRICT PAVEMENT RENOVATION	06/29/96 - T
1083N	RUFINO DE LEON	554-8245	LYON ST. AND PRESIDIO AVE. (PR)	11/03/95 - N
1091N	ED CHOY	554-8284	VARIOUS LOCATIONS SOUTH OF MARKET REMOVAL & PAV. RENOV.	07/21/96 - N
1100N	MARTHA KETTERER	554-8296	ECKER STREET, MISSION STREET TO ELIM ALLEY	01/08/96 - N
1109N	LYNN NAKASATO	554-8269	CESAR CHAVEZ (ARMY) STREET WIDENING	07/03/96 - N
1133N	RAMON KONG	554-8256	FULTON STREET ROADWAY WIDENING	09/05/95 - N
1138N	IQBAL DHAPA	554-8337	FAIRMONT AND RANDALL STS. (SR)	07/24/95 - N
1148N	BHULA PATEL	554-8324	MOULTON FROM WEBSTER TO BUCHANNAN STS. (SR)	09/25/95 - N
1151N	PAK CHOI	554-8283	CHINATOWN LIGHTING IMPROVEMENTS, PHASE III	09/05/95 - N
1155N	BIRGIT CHASE	554-8336	CHESTNUT ST./PACIFIC AVE. (SR)	09/28/95 - N
1168N	JOHNNY VILLASICA	554-8338	FLORIDA ST. (SR)	10/11/95 - N
1184N	PAK CHOI	554-8283	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #10	09/06/96 - T
1184Nold	PAK CHOI	554-8283	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #10	03/18/96 - N
1185N	KEN CHU	554-8271	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #11	03/01/96 - N
1188N	BHULA PATEL	554-8324	GRANT AVE./CHESTNUT ST. (SR)	10/30/95 - N
1195N	GYEE YANG	558-4553	MARKET AND STEUART STS AWSS RELOCATION	07/20/96 - T
1198N	RUFINO DE LEON	554-8245	VARIOUS LOCATIONS CONCRETE STREET RECONSTRUCTION #12	05/16/96 - N
1202N	LINDA LEONG	648-6882	NORTH POINT PLANT IMPROVEMENT, PHASE II	01/30/96 - N
1203N	BIRGIT CHASE	554-8336	LYON/BAKER/WASHINGTON STREETS (SR)	11/22/95 - N
1209N	PETER CHENG	554-8348	LARKIN STREET/GREENWICH STREET (SR)	11/30/95 - N
1210W	PETER CHENG	554-8348	WESTSIDE ACTIVATION: SEWER CONSTRUCTION	11/13/93 - N
1218N	CLIFF WONG	554-8339	MARKET, LARKIN, & HARRISION STS (SR)	03/29/96 - N
1219N	PETER CHENG	554-8348	BUCHANAN, STEINER AND PIERCE STREETS SEWER REPLACEMENT	01/02/96 - N
1221N	BHULA PATEL	554-8324	LYON, SACRAMENTO AND POST STREETS SEWER REPLACEMENT	01/02/96 - N
1239W	WALLIS LEE	554-8344	RANKIN PUMP STATION SEWPCP 1 & 1A	08/31/93 - N
1243E	RONALD CHENG	558-4049	MARINA SEAWALL AND ROADWAY IMPROVEMENT	04/12/96 - N
1252N	PETER CHENG	554-8348	SHOTWELL STREET (SR & PR)	09/23/96 - T
1253N	IQBAL DHAPA	554-8337	TWELFTH STREET (SR)	04/07/96 - N
1255N	BHULA PATEL	554-8324	SAN JOSE AVENUE (SR)	08/09/96 - T
1256N	BIRGIT CHASE	554-8336	21ST/22ND/23RD STREETS (SR)	04/01/96 - N
1272N	STEVE BUI	554-8298	ILLINOIS/CESAR CHAVEZ (ARMY) STS. SEWER CONSTRUCTION	05/10/96 - N
1281N	RUFINO de LEON	554-8245	VARIOUS LOCATIONS HUNTERS POINT DISTRICT PAVEMENT RENOV	08/30/96 - N
1293N	RUFINO DE LEON	554-8245	GALVEZ AVENUE AND THIRD STREET PAVEMENT REGRADING	07/20/96 - T
3180W	STEVE BUI	554-8298	YOSEMITE/EGBERT SEWER ENLARGEMENT PROJECT	02/28/96 - N
6094Q(3)	DEANNA CALLEROS	554-8266	MID EMBARCADERO PROJECT	08/21/96 - N
6094Q(4)	DEANNA CALLEROS	554-8266	MID EMBARCADERO PROJECT	09/20/96 - N
6497E	EDWARD CHIN	554-8411	THE NEW CHINATOWN PARK (SIDEWALK RECONST.)	08/15/94 - N
7034E(A)	LAURIE LAU	558-4530	FILLMORE ST. OVERCROSSING AT GEARY EXPRESSWAY (SEIS. RET)	12/08/95 - N
7034E(B)	LAURIE LAU	558-4530	WEBSTER ST. PEDESTRIAN OVERCROSSING AT GEARY EXPRESSWAY (SEIS. RET.)	12/08/95 - N
7034E(C)	LAURIE LAU	558-4530	SEISMIC RETROFIT OF MARKET VIADUCT AT 24TH STREET	04/01/96 - N
7034E(D)	CHRIS NOCON	558-4054	STEINER ST. PEDESTRIAN OVERCROSSING AT GEARY EXPRESSWAY (SEIS. RET.)	07/20/96 - N
7090E	ANDREW SHUM	431-9430	VARIOUS LOCATIONS MOTORIZED VALVES CONTRACT #2	03/09/95 - N
7094E	EDWARD CHIN	554-8411	HANG AH ALLEY RENOVATION	02/24/95 - N
7130E(A)	LAURIE LAU	558-4530	PORTOLA DR. PEDESTRIAN OVERCROSSING AT KENSINGTON WAY (SEIS. RET)	12/08/95 - N
7130E(B)	CHRIS NOCON	558-4054	INGERSON AVENUE VIADUCT (SEIS. RET)	07/20/96 - N
7179E	PAK CHOI	554-8283	RICHMOND TRANSPORT	07/2[illegible]/96 - N
7223E	RAMON KONG	558-4055	OAKDALE AVENUE BRIDGE REPLACEMENT	11/24/95 - N
7226E(New)	JAMES WALSH	558-8272	VARIOUS LOCATIONS, CURB RAMPS STP # 8	11/30/96 - N
7226E	MR. RON FONG	554-8273	VARIOUS LOCATIONS: CONSTRUCTION OF CURB RAMPS/CUTS	09/16/94 - N
7243E	MS. SU-SYIN CHOU	554-8350	MARKET ST. SIDEHILL VIADUCT #3 (SEIS. RET)	06/28/93 - N
7243E	SAED TOLONI	554-8325	PEMBERTON STAIR RECONSTRUCTION	07/23/93 - N
7261E	NAOKI KAKU	554-8946	VARIOUS LOCATIONS IN THE SUNSET DISTRICT (PR)	10/17/93 - N
7271E	GREG S CRUZ	554-8268	VARIOUS LOCATIONS: HAIGHT-ASHBURY & MISSION DIST (PR)	05/07/94 - N
7284E	RAMON KONG	554-8256	LOMBARD ST., MONTCLAIR TERR STREET IMPROVEMENT	03/07/94 - N
7291E	RUFINO de LEON	554-8245	OCEAN, SAN JOSE AVES -JUNIPERRO SERRA BLVD (PR)	07/23/93 - N
7294E	CLIFFORD WONG	554-8325	KIRKHAM ST. & 23rd AVE - PHASE 2 (SR)	06/28/93 - N
7437E	DEANNA CALLEROS	554-8266	HOWARD, FOLSOM, & HAWTHORNE STS (PR)	01/30/95 - N
7455E(New)	NARCISO PADERANGA	554-8258	FLORIDA, INDIANA, WISCONSIN, AND 19TH STS PAV. RENOVATION (SIDEWALK ALIGNMENT)	07/27/96 - N
7458E	GRE[illegible] S CRUZ	554-8268	CLAY ST, GOUGH TO DRUMM STS (PR)	05/25/94 - N
7519E	STEVE BUI	554-8298	GOLDEN GATE PARK BOND PROJECTS	03/10/95 - N
7522E	JOHNNY VILLASICA	554-8394	TAYLOR AND JONES STREETS (SR)	09/12/94 - N

PROJECTS IN PROGRESS

revised 9/3/96:LOG.XLW

PROJECT #	A T & T		BCM		BSSM/BSUM		DPT		ENV. ENG..		GTE/SPRINT	
	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
—N	07/11/96	—	?	—	?	—	07/16/96		?		?	—
—N	09/20/95	—	?	—	08/22/95		09/03/95	—	?		08/28/95	—
1004N	08/16/94		08/15/94	—	?		08/15/94	—	?		08/22/94	—
1022N	01/25/95		02/17/95				01/31/95				01/12/95	04/04/95
1036N	09/20/95	—	?	—	07/20/95	—	08/14/95	—	?		07/24/95	—
1057N	01/03/96	07/11/96	?	—	?	—	?	—	?	06/18/96	12/14/95	—
1083N	11/14/95	—	?	—	?	—	10/30/95	—	?		10/20/95	—
1091N	07/11/96	—	?	—	?	—	07/24/96	—	07/03/96		07/08/96	—
1100N	?	—	?	—	?	—	12/18/95	—	?		12/14/95	—
1109N	?	—	?	—	07/11/96	—	?	—	06/07/96	—	07/08/96	—
1133N	09/20/95	—	?	—	?	—	08/09/95	—	?		08/15/95	—
1138N	01/03/96	—	?	—	?	—	?	—	?	—	11/28/95	—
1148N	09/20/95	—	?	—	?	—	09/27/95	—	?		09/20/95	—
1151N	09/20/95	11/14/95	?	—	?	—	08/11/95	11/16/95	?		08/15/95	11/16/95
1155N	09/20/95	—	?	—	?	—	09/19/95	—	?		10/10/95	—
1168N	?	—	?	—	?	—	?	—	?		10/10/95	—
1184N	05/29/96	08/12/96	?	—	?	—	?	—	05/31/96		05/24/96	08/13/96
1184Nold	03/22/96	—	?	—	?	—	03/06/96	—	?		03/01/96	—
1185N	02/23/96	05/29/96	?	—	?	—	02/13/96	—	?		02/15/96	05/29/96
1188N	11/14/95	—	?	—	?	—	10/05/95	—	?		10/16/95	—
1195N	04/04/96	—	?	—	?	—	?	—	?	07/08/96	04/03/96	07/19/96
1198N	05/01/96	—	?	—	?	—	?	—	04/24/96		04/24/96	—
1202N	?	—	?	—	?	—	?	—	?		01/31/96	—
1203N	?	—	?	—	?	—	?	—	?		?	02/12/96
1209N	11/14/95	05/29/96	?	—	?	—	?	—	?		11/16/95	05/29/96
1210W	?		?		?		10/22/93		?		11/09/93	
1218N	03/22/96	—	?	—	?	—	03/20/96	—	03/01/96		03/12/96	—
1219N	02/06/96	—	?	—	?	—	12/07/95	—	?		12/11/95	—
1221N	01/03/96	—	?	—	?	—	12/18/95	—	?	03/07/96	12/11/95	03/18/96
1239W	08/23/93		03/29/94		?		03/30/94		?		08/27/93	
1243E	03/29/96	—	?	—	?	—	?	—	03/25/96		03/27/96	—
1252N	05/01/96	—	?	—	?	—	05/01/96	—	05/01/96		05/03/96	—
1253N	03/22/96	—	?	—	?	—	?	—	03/14/96		03/19/96	—
1255N	03/22/96	—	?	—	?	—	?	07/15/96	03/07/96		03/18/96	07/22/96
1256N	03/22/96	—	?	—	?	—	?	—	?		03/18/96	—
1272N	05/01/96	—	?	—	?	—	04/22/96	—	04/23/96		05/01/96	—
1281N	?	—	?	—	?	—	?	—	08/06/96		?	08/13/96
1293N	05/29/96	—	?	—	?	—	?	—	05/31/96	07/03/96	05/29/96	07/08/96
3180W	02/06/96	—	?	—	?	—	?	—	?		?	—
6094Q(3)	?	—	?	—	?	—	?	—	08/21/96	—	08/13/96	—
6094Q(4)	?	—	—	—	—	—	—	—	—		—	—
6497E	07/26/94		?		?		08/02/94		?		07/21/94	
7034E(A)	01/03/96	—	?	—	?	—	?	—	?		11/17/95	—
7034E(B)	01/03/96	—	?	—	?	—	?	—	?		11/17/95	—
7034E(C)	?	—	?	—	?	—	?	—	?		03/18/96	—
7034E(D)	07/11/96	—	?	—	?	—	?	—	07/03/96		07/08/96	—
7090E	03/02/95	—	?	—	?	—	03/21/95	—	?	—	02/23/95	—
7094E	03/06/95	—	?	—	?	—	03/17/95	—	?	—	03/15/95	—
7130E(A)	01/03/96	—	?	—	?	—	?	—	?		11/17/95	—
7130E(B)	07/11/96	—	?	—	?	—	?	—	07/03/96		07/08/96	—
7179E	07/11/96	—	?	—	?	—	07/22/96	—	07/03/96		07/08/96	—
7223E	11/28/95	—	?	—	?	—	?	—	?		11/16/95	—
7226E(New)	—	—	—	—	—	—	—	—	—		—	—
7226E	07/14/94		08/30/94	—	?		08/01/94	—	?		07/18/94	—
7233E	?		06/10/93		06/09/93		?		?		06/07/93	
7243E	?		07/16/93		?		?		?		06/30/93	
7261E	?		?	—	?		?	—	?		09/28/93	—
7271E	04/22/94		04/12/94	—	?		?	—	?		04/15/94	—
7284E	?		02/11/94	—	?		02/24/94	—	?		?	—
7291E	?		07/16/93		?		?		?		06/30/93	
7294E	?		06/09/93		?		?		?		06/07/93	
7437E	01/23/95	—	?	—	?	—	01/25/95	—	?	—	01/12/95	—
7455E(New)	08/22/96	—	?	—	?	—	?	—	08/22/96		08/22/96	—
7458E	05/16/94		04/29/94		?		?		?		05/03/94	
7519E	02/28/95	—	?	—	?	—	?	—	?	—	03/01/95	—
7522E	09/29/94	10/17/94	08/16/94		?		09/29/94		?		08/22/94	10/21/94

PROJECTS IN PROGRESS

revised 9/3/96:LOG.XLW

PROJECT #	HHWP/BLHP		HYDRAULICS		MCI METRO(ATS)		MECHANICAL		METRO FIBER SYS		MUNI	
	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
—N	06/17/96	—	?	—	07/14/96	—	06/18/96	—	06/25/96	—	07/16/96	—
—N	?	—	?	—	09/20/95	—	?	—	08/31/95		08/31/95	
1004N	08/16/94		08/10/94		08/15/94		08/09/94		08/23/94		08/08/94	
1022N			01/09/95	04/04/95	02/22/95	04/28/95	01/04/95	03/30/95		05/03/95	01/05/95	04/04/95
1036N	?	—	08/09/95	—	09/08/95	—	07/12/95	—	08/31/95	—	07/13/95	—
1057N	?	—	?	06/11/96	02/16/96	07/08/96	12/11/95	06/04/96	12/21/95	—	12/11/95	—
1083N	11/06/95	—	10/12/95	—	?	—	10/10/95	—	?	—	10/12/95	—
1091N	?	—	07/10/96	—	?	—	07/02/96	—	06/27/96	—	08/05/96	—
1100N	05/14/96	—	?	—	02/16/96	—	12/11/95	—	12/21/95	—	12/11/95	—
1109N	?	—	?	—	?	—	06/11/96	—	?	—	07/01/96	—
1133N	?	—	08/10/95	—	09/20/95	—	08/14/95	—	08/31/95	—	08/10/95	—
1138N	?	—	?	—	02/07/96	—	11/17/95	—	12/21/95	—	11/15/95	—
1148N	?	—	?	—	?	—	09/01/95	—	08/31/95	—	09/01/95	—
1151N	?	—	?	—	09/20/95	—	08/14/95	11/13/95	08/31/95	12/21/95	08/10/95	11/03/95
1155N	09/07/95	—	?	—	?	—	09/01/95	—	08/31/95	—	09/01/95	—
1168N	09/12/95	—	?	—	?	—	09/19/95	—	09/29/95	—	?	—
1184N	06/11/96	—	06/05/96	08/13/96	?	—	05/17/96	08/16/96	?	—	?	—
1184Nold	?	—	02/22/96	—	?	—	03/29/96	—	?	—	03/01/96	—
1185N	02/28/96	—	02/08/96	05/21/96	02/26/96	07/08/96	02/06/96	06/04/96	?	—	02/07/96	06/07/96
1188N	?	—	?	—	02/07/96	—	10/05/95	—	12/21/95	—	10/05/95	—
1195N	04/23/96	—	04/10/96	—	05/06/96	—	?	—	06/27/96	—	06/18/96	08/02/96
1198N	?	—	05/20/96	—	?	—	04/18/96	—	?	—	05/13/96	—
1202N	01/29/96	—	01/16/96	—	?	—	?	—	?	—	01/18/96	—
1203N	?	—	?	—		03/05/96	?	01/31/96	?	—	02/01/96	—
1209N	07/	—	?	—	02/01/96	07/05/96		06/04/96	12/21/95	—	11/06/95	—
1210W	10/20/93		?		11/01/93		10/20/93		—		10/18/93	
1218N	?	—	?	—	?	—	03/14/96	—	?	—	03/14/96	—
1219N	?	—	?	—	02/16/96	—	12/08/95	—	12/21/95	—	12/08/95	—
1221N	?	—	?	—	02/01/96	04/23/96	12/08/95	03/11/96	12/21/95	—	12/08/95	03/14/96
1239W	08/24/93		?		08/27/93		?		—		08/20/93	
1243E	?	—	03/19/96	—	04/23/96	—	03/27/96	—	?	—	04/15/96	—
1252N	05/02/96	—	?	—	?	—	05/06/96	—	?	—	05/13/96	—
1253N	?	—	?	—	?	—	03/27/96	—	?	—	03/14/96	—
1255N	?	08/09/96	?	—	04/23/96	08/08/96	03/11/96	07/22/96	?	—	03/14/96	07/31/96
1256N	?	—	?	—	08/08/96	—	03/11/96	—	?	—	03/14/96	—
1272N	08/03/96	—	?	—	04/23/96	—	04/19/96	—	?	—	?	—
1281N	08/12/96	—	08/06/96	—	?	—	08/07/96	—	?	—	?	—
1293N	?	—	05/22/96	07/16/96	?	07/11/96	06/04/96	07/02/96	?	—	06/10/96	—
3180W	02/27/96	—	?	—	?	—	02/21/96	—	?	—	01/29/96	02/21/96
6094Q(3)	08/20/96	—	08/07/96	—	?	—	08/16/96	—	?	—	?	—
6094Q(4)	?	—	—	—	?	—	—	—	?	—	—	—
6497E	?		?		08/01/94		08/01/94		07/21/94		07/27/94	
7034E(A)	12/06/95	—	?	—	02/15/96	—	11/20/95	—	12/21/95	—	11/15/95	—
7034E(B)	12/06/95	—	?	—	02/16/96	—	11/20/95	—	12/21/95	—	11/17/95	—
7034E(C)	?	—	03/06/96	—	04/23/96	—	03/11/96	—	?	—	03/14/96	—
7034E(D)	?	—	07/16/96	—	07/11/96	—	07/02/96	—	06/27/96	—	?	—
7090E	?	—	02/16/95	—	?	—	?	—	02/17/95	—	02/21/95	—
7094E	?	—	03/01/95	—	03/13/94	—	03/01/95	—	05/03/95	—	03/03/95	—
7130E(A)	12/06/95	—	?	—	02/01/96	—	11/20/95	—	12/21/95	—	11/17/95	—
7130E(B)	?	—	0716/96	07/16/96	?	—	07/02/96	—	06/27/96		?	—
7179E	?	—	07/10/96	—	?	—	07/02/96	—	06/27/96	—	08/05/96	—
7223E	?	—	?	—	02/01/96	—	11/13/95	—	12/21/95	—	11/03/95	—
7226E(New)	—	—	—	—	—	—	—	—	—	—	—	—
7226E	09/20/94		07/27/94		07/25/94		?		07/21/94		07/11/94	
7233E	06/10/93		06/10/93		08/05/93		06/01/93		—		06/01/93	
7243E	07/22/93		?		07/06/93		?		—		06/28/93	
7261E	?		?		10/15/93		09/22/93		—		09/23/93	
7271E	05/03/94		04/13/94		05/03/94		04/08/94		?		04/29/94	
7284E	?		02/09/94		03/08/94		02/09/94		—		?	
7291E	08/09/93		?		07/06/93		07/12/93		—		06/28/93	
7294E	06/10/93		?		06/04/93		06/16/93		—		06/15/93	
7437E	?	—	01/09/95	—	02/21/95	—	01/03/95	—	?	—	01/05/95	—
7455E(New)	08/27/96	—	08/23/96	—	08/22/96	—	?	—	?	—	?	—
7458E	05/03/94		?		05/27/94		04/27/94		?		04/29/94	
7519E	?	—	?	—	02/27/95	—	02/22/95	—	?	—	02/27/95	—
7522E	?		?		09/25/94	11/08/94	08/23/94	10/26/94	08/23/94	10/18/94	08/16/94	10/12/94

PROJECTS IN PROGRESS

revised 9/3/96:LOG.XLW

PROJECT #	PAC BELL		P G & E GAS		P G & E ELEC		PROJ DEV.		SF FIRE		SFWD	
	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
—N	07/01/96	—	?	—	?	—	06/21/96	—	?	—	07/01/96	—
—N	09/12/95						08/14/95		?		?	—
1004N	08/12/94		09/16/94		09/16/94		09/16/94		?		?	—
1022N	01/31/95	04/04/95	01/17/95	04/28/95	01/17/95	04/28/95	01/26/95	04/28/95				
1036N	07/24/95	—	08/08/95	—	08/08/95	—	07/20/95	—	?	—	?	—
1057N	01/05/96	—	01/08/96		01/03/96	07/15/96	12/08/95	07/23/96	?	—	?	—
1083N	10/13/95	—	10/11/95	—	12/14/95	—	10/10/96	—	?	—	?	—
1091N	07/22/96	—	08/07/96	—	08/07/96	—	07/26/96	—	?	—	?	—
1100N	12/28/95	—	01/05/96	—	01/03/96	—	12/08/95	—	?	—	01/03/96	—
1109N	?	—	?	—	?	—	?	—	06/19/96	—	?	—
1133N	08/22/95	—	10/02/95	—	10/02/95	—	08/02/95	—	?	—	?	—
1138N	?	—	?	—	11/22/95	—	11/15/95	—	?	—	?	—
1148N	09/01/95	—	12/14/95	—	?	—	09/12/95	—	?	—	?	—
1151N	08/28/95	—	?	—	?	—	10/04/95	10/30/95	?	—	?	—
1155N	09/12/95	—	10/03/95	—	10/09/95	—	08/29/95	—	?	—	?	—
1168N	10/03/95	—	?	—	?	—	09/26/95	—	?	—	09/19/95	—
1184N	05/20/96	08/19/96	?	—	?	—	05/22/96	08/21/96	?	—	?	—
1184Nold	02/26/96	—	?	—	03/14/96	—	03/18/96	—	?	—	?	—
1185N	02/15/96	—	04/26/96	—	?	—	01/29/96	06/18/96	?	—	?	—
1188N	10/24/95	—	10/05/95	—	10/12/95	—	10/10/95	—	?	—	10/11/95	—
1195N	04/04/96	—	06/07/96	—	06/07/96	—	04/16/96	07/23/96	?	—	04/09/96	—
1198N	04/23/96	—	06/25/96	—	07/08/96	—	04/18/96	06/24/96	?	—	?	—
1202N	02/02/96	—	01/31/96	—	02/02/96	—	01/18/96	—	?	—	01/19/96	—
1203N	?	02/26/96	?	03/28/96	?	—	01/31/96	—	?	—	?	—
1209N	11/16/95	—	11/10/95	—	11/22/95	—	11/02/95	06/18/96	?	—	11/08/95	—
1210W	?		05/26/94		05/26/94		06/24/96		11/05/93		10/20/93	
1218N	03/18/96	—	05/17/96	—	?	05/17/96	03/18/96	—	?	—	?	—
1219N	12/18/95	—	01/03/96	—	01/03/96	—	12/07/95	—	?	—	12/11/95	—
1221N	12/18/95	03/22/96	01/03/96	04/30/96	01/03/96	04/30/96	12/07/95	03/25/96	?	—	12/11/95	—
1239W	09/14/93		09/28/93		11/15/93		?		09/17/93		09/14/93	
1243E	03/25/96	—	05/24/96	—	04/02/96	—	04/02/96	—	?	—		—
1252N	05/02/96	—	05/17/96	—	?	—	05/09/96	08/26/96	?	—	05/02/96	—
1253N	03/18/96	—	03/22/96	—	?	—	04/08/96	—	?	—	03/12/96	—
1255N	03/18/96	07/30/96	04/30/96	08/08/96	03/22/96	—	03/25/96	07/22/96	?		03/11/96	—
1256N	03/18/96	—	?	—	03/29/96	—	03/25/96	—	?	—	03/07/96	—
1272N	04/23/96	—	06/27/96	—	06/27/96	—	04/18/96	06/24/96	?	—	04/18/96	—
1281N	08/19/96	—	?	—	?	—	?	—	?	—	?	—
1293N	06/03/96	—	?	—	?	—	05/21/96	06/25/96	?	—	?	—
3180W	02/26/96	—	02/26/96	—	04/05/96	—	03/07/96	06/24/96	?	—	01/31/96	—
6094Q(3)	08/19/96	—	?	—	?	—	?	—	?	—	?	—
6094Q(4)	?	—	?	—	?	—	—	—	—	—	—	—
6497E	07/26/94		?		07/27/94		08/11/94		?		08/01/94	
7034E(A)	11/16/95	—	?	—	?	—	11/14/95	—	?	—	?	—
7034E(B)	11/16/95	—	05/24/96	—	04/16/96	—	11/14/95	—	?	—	?	—
7034E(C)	03/18/96	—	06/17/96	—	06/17/96	—	03/25/96	—	?	—	03/11/96	—
7034E(D)	07/10/96	—	08/05/96	—	08/05/96	—	06/25/96	—	?	—	07/08/96	
7090E	03/02/95	—	03/02/95	—	03/02/95	—	02/13/95	—	?	—	?	—
7094E	03/09/95	—	03/28/95	—	03/28/95	—	?	—	?	—	?	—
7130E(A)	11/20/95	—	?	—	10/01/95	—	11/22/95	—	?	—	?	—
7130E(B)	07/02/96	—	08/05/96	—	08/05/96	—	06/25/96	—	?	—	07/08/96	—
7179E	07/22/96	—	08/07/96	—	08/07/96	—	07/05/96	—	?	—	?	—
7223E	?	—	?	—	?	—	11/02/95	—	?	—	?	—
7226E(New)	08/27/96	—	?	—	?	—	—	—	—	—	—	—
7226E	08/12/94		?		?		07/11/94		?		?	—
7233E	?		?		?		06/09/94		?		?	
7243E	?		?		?		?		?		08/03/93	
7261E	?		02/23/94		11/22/93		10/15/93		10/07/93		?	—
7271E	05/04/94		05/26/94		05/26/94		04/11/94		?		?	—
7284E	06/17/94		03/14/94		03/14/94		?		?		?	—
7291E	?		?		?		?		07/19/93		?	
7294E	?		09/27/93		06/25/93		?		?		06/03/93	
7437E	01/23/95	—	02/09/95	—	02/09/95	—	01/12/95	—	?	—	?	—
7455E(New)	?	—	?	—	?	—	?	—	?	—	?	—
7458E	05/26/94		06/15/94		06/15/94		05/04/94		?		?	
7519E	03/16/95	—	?	—	?	—	02/28/95	—	?	—	02/27/95	—
7522E	?	11/01/94	?	11/02/94	?	12/01/94	09/01/94	10/17/94	?		08/25/94	

PROJECTS IN PROGRESS

revised 9/3/96:LOG.XLW

PROJECT	SF THERMAL		STRUCTURAL		TELEPORT COMM		UEB		VIACOM (TCI)	
#	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT	NOI	LOT
——N	06/26/96	—	06/25/96	—	07/03/96	—	?	—	07/01/96	—
——N	08/17/95		08/18/95		08/23/95				09/08/95	
1004N	08/29/94		08/05/94		08/22/94		08/15/94		08/26/94	
1022N	03/10/95	04/05/95	01/04/95	04/06/95	01/09/95		01/05/95		01/30/95	04/12/95
1036N	07/25/95	—	07/31/95	—	07/17/95	—	?	—	07/24/95	—
1057N	12/20/95	06/10/96	12/18/95	—	12/27/95	06/18/96	?	—	12/15/95	06/11/96
1083N	10/10/95	—	10/05/95	—	10/12/95	—	?	—	11/02/95	—
1091N	06/28/96	—	06/27/96	—	07/03/96	—	?	—	07/03/96	—
1100N	12/20/95	—	12/18/95	—	12/27/95	—	?	—	12/20/95	—
1109N	06/10/96	—	?	—	06/18/96	—	?	—	06/11/96	—
1133N	08/11/95	—	08/09/95	—	08/14/95	—	?	—	09/01/95	—
1138N	11/20/95	—	11/16/95	—	12/27/95	—	?	—	?	—
1148N	09/01/95	—	09/01/95	—	?	—	?	—	09/08/95	—
1151N	?	—	08/14/95	10/30/95	08/14/95	10/31/95	?	—	09/01/95	11/09/95
1155N	09/05/95	—	09/01/95	—	?	—	?	—	09/08/95	—
1168N	09/15/95	—	?	—	09/19/95	—	?	—	10/06/95	—
1184N	05/29/96	08/15/96	05/20/96	—	06/18/96	08/28/96	?	—	05/31/96	—
1184Nold	?	—	02/22/96	—	03/27/96	—	?	—	03/11/96	—
1185N	02/08/96	05/29/96	02/12/96	—	02/26/96	06/18/96	?	—	03/07/96	05/30/96
1188N	10/10/95	—	10/03/95	—	10/05/95	—	?	—	11/01/95	—
1195N	04/11/96	07/17/96	03/29/96	—	05/28/96	07/30/96	?	—	04/10/96	07/15/96
1198N	05/06/96	—	04/18/96	—	05/28/96	—	?	—	05/02/96	—
1202N	01/16/96	—	01/17/96	—	?	—	?	—	02/06/96	—
1203N	?	02/02/96	02/01/96	—	?	03/27/96	?	—		02/28/96
1209N	11/07/95	05/29/96	11/02/95	05/24/96	11/07/95	06/18/96	?	—	11/14/95	05/30/96
1210W	—		?		—		10/27/93		?	
1218N	?	—	03/05/96	—	03/27/96	—	?	—	03/07/96	—
1219N	12/11/95	—	12/06/95	—	12/13/95	—	?	—	12/19/95	—
1221N	?	03/07/96	12/06/95	03/06/96	12/13/95	03/27/96	?	—	12/15/95	03/22/96
1239W	—		?		—		09/27/93		09/10/93	
1243E	03/25/96	—	03/22/96	—	03/27/96	—	?	—	03/21/96	—
1252N	05/06/96	—	05/01/96	—	05/28/96	—	?	—	05/14/96	—
1253N	03/25/96	—	03/11/96	—	03/27/96	—	?	—	03/22/96	—
1255N	03/07/96	07/17/96	03/06/96	—	03/27/96	07/31/96	?	—	07/30/96	—
1256N	?	—	03/06/96	—	03/27/96	—	?	—	03/20/96	—
1272N	04/17/96	—	04/17/96	—	050/28/96	—	?	—	04/23/96	—
1281N	08/07/96	—	?	—	08/28/96	—	?	—	?	—
1293N	05/29/96	06/26/96	05/24/96	—	06/18/96	07/03/96	?	—	05/30/96	07/01/96
3180W	01/26/96	—	02/22/96		03/27/96	—	?	—	03/11/96	
6094Q(3)	08/07/96	—	?	—	08/28/96	—	?	—	08/15/96	—
6094Q(4)	—	—	—	—	—	—	—	—	?	—
6497E	07/18/94		?		?		07/26/94		?	
7034E(A)	?	—	11/16/95	—	12/27/95	—	?	—	11/20/95	—
7034E(B)	?	—	11/16/95	—	12/15/95	—	?	—	11/17/95	—
7034E(C)	?	—	03/06/96	—	03/27/96	—	?	—	03/20/96	—
7034E(D)	06/26/96	—	?	—	07/03/96	—	?	—	07/01/96	—
7090E	02/23/95	—	02/13/95	—	03/08/95	—	?	—	03/07/95	—
7094E	03/06/95	—	02/28/95	—	03/08/95	—	?	—	03/02/95	—
7130E(A)	?	—	11/16/95	—	12/15/95	—	?	—	11/20/95	—
7130E(B)	06/24/96	—	?	—	07/03/96	—	?	—	07/01/96	—
7179E	06/28/96	—	06/27/96	—	07/03/96	—	?	—	07/01/96	—
7223E	?	—	10/30/95	—	10/31/95	—	?	—	11/09/95	—
7226E(New)	—	—	—	—	—	—	—	—	—	—
7226E	09/20/94		09/29/94		07/27/94		07/08/94		?	
7233E	—		?		—		?		?	
7243E	—		?		—		07/12/93		09/10/93	
7261E	—		?		—		09/27/93		10/20/93	
7271E	04/25/94		?		04/25/94		04/11/94		05/10/94	
7284E	—		?		—		02/09/94		03/31/94	
7291E	—		?		—		07/12/93		?	
7294E	—		?		—		?		?	
7437E	?	—	01/04/95	—	03/08/95	—	01/05/95	—	02/02/95	—
7455E(New)	08/22/96	—	?	—	08/26/96	—	?	—	?	—
7458E	05/16/94		?		?		05/13/94		05/10/94	
7519E	02/22/95	—	02/23/95	—	03/08/95	—	?	—	03/07/95	—
7522E	08/17/94	10/13/94	?	10/07/94	08/22/94	10/20/94	?		08/26/94	11/10/94

Legend:

(FC) - FLOOD CONTROL
(SR) - SEWER REPLACEMENT
(PR) - PAVEMENT RENOVATION
(*) - SEE FILE FOR MORE INFORMATION
(N or NOI) - LETTER OF NOTICE OF INTENT
(T or LOT) - LETTER OF TRANSMITTAL OF FINAL PRELIMINARY PLANS
(?) - INDICATES NO RESPONSE WAS RECEIVED
(—) - INDICATES NO RESPONSE IS NECESSARY

SF
P85.93
#2
10/10/96

DPW

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 380

October 10, 1996

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ATTENDANCE:

Department of Public Works

Bureau of Engineering

Dave Moore	558-4566
Nelson Wong	554-8281

Office of Capital Resources Management

Amy Chow	554-8249
Joe Norris	554-8274
George White	557-4740

Bureau of Street and Sewer Repair

☛ **(Representative not present)**

Bureau of Street Use Management

Cynthia Chono	554-6196

Bureau of Construction Management

Noushin Oshidam	554-8317

DPW Public Affairs

☛ **(Representative not present)**

Department of Parking and Traffic

Scott Broady	554-2326

MUNI Engineering

☛ **(Representative not present)**

San Francisco Port Authority

Skip Zeller	274-0552

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department
City Distribution Division

☛ **(Representative not present)**

Caltrans

Karen Ashe	557-7052
Dean Drablos	330-6537
Tom Franklin	510-286-4424

Pacific Bell

David Ohlssen	542-9095
Gil Sams	542-7428

Pacific Gas & Electric

Gilbert Munoz	695-3550

SF Thermal

☛ **(Representative not present)**

TCI

David Walunas	863-8500

Navigation Technologies

☛ **(Representative not present)**

Jefferson Company

Ocie Williams	673-3011

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 380
October 10, 1996

The September 12, 1996 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Ms. Ashe reported that the schedule for the Alemany Circle Project has been revised: the contract will be awarded next week, with construction to begin in December.

At China Basin, electrical potholing is set for next week at Mariposa. The potholing will be done by the Caltrans contractor and Caltrans will work with DPW to resolve any conflicts. There has been disagreements, compounded by a DPT manpower shortage, regarding who should move a DPT traffic signal pullbox at the Mariposa offramp.

7th St between 16th St and Irwin St needs potholing for electrical and telephone lines, and there are problems with the trackways.

For the Central Freeway project, Ms. Ashe distributed a current street closure schedule, and noted that cooperation by the various agencies has been good. (See attachment A.) Ms. Chow noted that the locations are reflected in the CULCOP Status Report as "CDOT" under the job order column and the locations are also being cleared by utilities. There is some Pac Bell work on Brannan St near Dore.

For the Bayshore Viaduct retrofit, Ms. Ashe will arrange a walk through with interested parties to resolve problems with the revised footings.

Mr. Franklin noted that the City's paving project on Bayshore and San Bruno near the Alemany Circle may impact the Caltrans schedule in the area. There will be a meeting at 1680 Mission at 10:00 am October 16 to discuss this. Mr. Franklin also discussed work done by Pac Bell and the Water Department on Caltrans property without permits. He asked that utilities check with Mr. Drablos for any locations near highways to verify whether they are under Caltrans jurisdiction. He will distribute a current listing of annual permit locations for reference. Caltrans will work with utilities to take care of the paperwork after emergency jobs. Ms. Chono asked for a copy of the permits for reference.

Sewer Management System Ms. Chow recommended that utilities check the sewer project report in each month's minutes package, since it changes from month to month.

Curb Ramp Standards Mr. Sams asked about changes in the procedure for developing exceptions to curb ramp standards. Pac Bell indicated they had not received any memos.

Mr. Wong provided some background on this issue and explained that there are two standard plans. For any site, DPW will design the ramps according to one of the standard plans. Where the site cannot accommodate the standard plans, DPW will develop alternatives and submit them to Caltrans for approval. Ms. Chono indicated that Project Development would decide and then inform BSM through Mr. Skaff regarding the exceptions. Mr. White added that discussion is in progress regarding the criteria for the exceptions: the City and Caltrans want to allow exceptions for certain items in the wings outside the 48" path of travel, and the FHWA wants to exclude any objects from the wings. We will provide updates as the issues are resolved.

Status Report Clearances Ms. Chow reiterated that the accuracy and usefulness of the Status Report depend on the quality and timing of utility information. She noted that the fax method seems to be working well, and we will continue to use it as requested. Mr. White asked which members have e-mail that could be used to simplify and expedite the process

Stick Map Ms. Chow displayed maps of Caltrans streets and Pavement Condition. Ms. Chow indicated, in the future, the current stickmap will be replaced by the GIS basemap layer and applications with the current stick map will be transferred to the new environment. Mr. White provided an update on progress of the GIS basemap. He met recently with the consultants in Portland, Oregon; their work is in its final stages. Mr. Williams asked when this would be completed; Mr. White replied that we hope to have samples maps to show at the December meeting. There will be a three to six month process of moving existing applications into the GIS environment, which will be discussed at the November meeting. The first issue of the GIS maps will be prototypes for which we will welcome feedback.

Blue Book & Restricted Parking in Construction Zones Mr. Broady reported that the blue book is still in draft form. Interested parties can also call Mr. Woo. A new ordinance on restricted parking in construction zones was passed by the Board of Supervisors on September 11th. The restriction is effective from October 11, 1996 through June 30, 1997. The boundary of the construction zone is enclosed. (See Attachment C.)

Chinatown Special Construction Zone Ms. Chono distributed a current work schedule. The construction manager is Raymond Woo. So far the process is working well. (See enclosed schedule of construction projects, Attachment B.)

NEW BUSINESS

Flowable Fill Mr. Wong discussed the background and current status of the City's position. We have been investigating flowable fill materials for several years as an alternative to jetted sand. Tests have shown its usefulness and definite advantages for some applications, but there have been problems with quality control, and some agencies have objected to using the material. The civil grand jury has recently recommended that the City hold a meeting to discuss its use, and CULCOP could be the appropriate forum if the members are interested. Mr. Franklin noted that Caltrans requires a copy of the manufacturer's ticket; they do not allow sand jetting for highways, but allows either Class 2 aggregate or a 2% slurry mix — not Controlled Density Fill. Ms. Chono added that BSM only allows Controlled Density Fill with both the ticket and the "shovel test".

Draft Legislation for Street Excavation Mr. White announced that draft legislation is now under review to revise the City's policy on excavation permits. The highlights of this legislation include:

- Extending the excavation moratorium from the present three years to five;
- Setting guidelines for joint construction projects;
- Encouraging data sharing among agencies that work in the public right-of-way;
- Requiring City agencies to obtain permits and pay fees.

Mr. Sams asked if the legislation covers all street permits or just excavation, and what was the main purpose. Mr. White replied that it addressed all excavations, and the intent is to create a single information source for project coordination. Mr. Munoz, citing problems with a lack of information from building construction, asked who will review the information and what it will cover. Mr. White answered that activity relating to building permits will be included as a part of the data repository. DPW just started a street construction task force, composed at first of City agencies and later of others, to focus on data sharing. The aim is to create a single point of access, through a GIS application, for any agency or citizen to find out construction information.

Mailing Label Update Per Mr. Ladner's suggestion last month, we will issue a copy of our current mailing list for corrections and updates.

Administrative Code Mr. White distributed copies of Administrative Code Article 7, which is the legislative basis for CULCOP. He announced our intention to invoke the Director's level supervising committee on a regular basis, as provided in the legislation, to renew upper management's support for the CULCOP forum and process. This ties in with the Mayor's letter and Director's memo included in last month's Minutes. Mr. Franklin asked if this includes Caltrans. Mr. Norris replied that the listing of agencies in the legislation includes any agency active in the City's streets and is not intended to be exclusive. Caltrans, currently, is a major player and therefore a key member. Mr. White added that today's announcement is an advance notice, for which we will provide information of meetings and other activities as they arise.

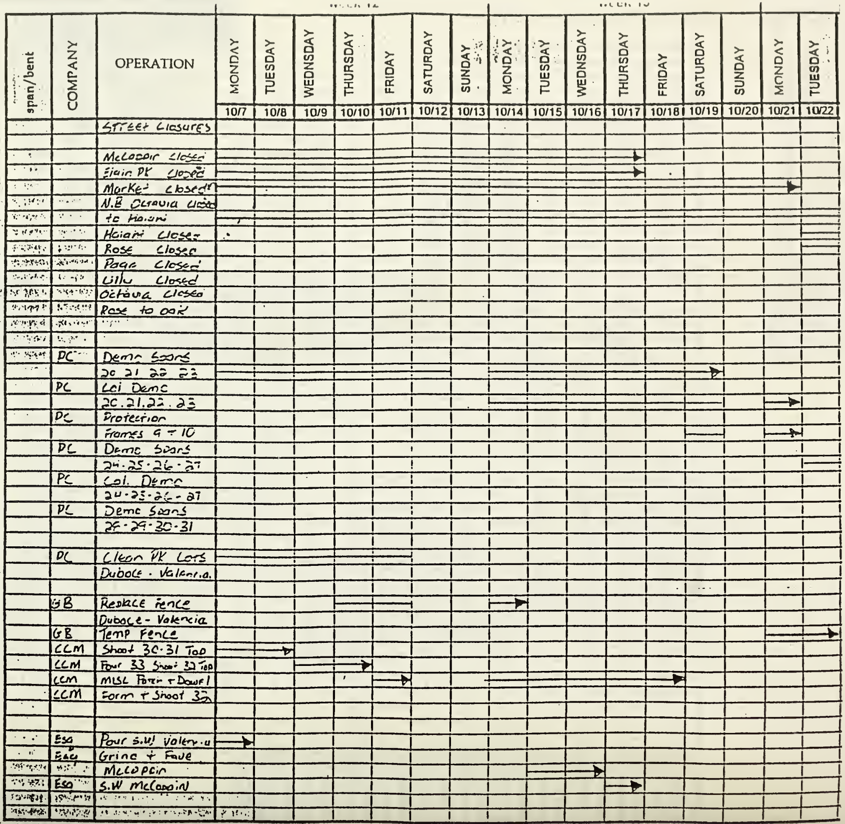
Mr. White asked that members begin preparing databases of major projects or special construction zones for the January meeting. Please see Amy Chow for details on data base structure and other features. This will allow us to shift from the current paving driven CULCOP to an all project coordination application in GIS

We expect to issue a new PMMS Annual Report within the next month.

Ms. Oshidari cited problems obtaining information about Utility Coordination for a project she is doing for BCM, including erroneous referrals and general run-around. If she got this as a fellow employee, what would a citizen experience. Mr. Norris concurred, from numerous encounters with citizens who had received the same treatment before reaching him. The City needs to build, and enforce proper use of, an effective referral system to take proper advantage of the data sharing structure.

The next meeting will be at 10:00 am Thursday, November 14, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

ATTACHMENT A



span/bent	COMPANY	OPERATION
		Street Closures
		McCoppin Closed
		Elgin PK Closed
		Market Closed
		N.B Octavia Closed
		to Haight
		Haight Closed
		Rose Closed
		Page Closed
		Lilly Closed
		Octavia Closed
		Rose to Oak
	PC	Demo Spans
		20 21 22 23
	PC	Col Demo
		20.21.22.23
	PC	Protection
		Frames 9 + 10
	PC	Demo Spans
		24·25·26·27
	PC	Col. Demo
		24·25·26·27
	PC	Demo Spans
		28·29·30·31
	PC	Clean PK Lots
		Duboce · Valencia
	GB	Replace Fence
		Duboce - Valencia
	GB	Temp Fence
	CCM	Shoot 30·31 Top
	CCM	Pour 33 Shoot 32 Top
	CCM	Misc Form + Dowel
	CCM	Form + Shoot 32
	ESG	Pour S.W. Valencia
	ESG	Grind + Pave
		McCoppin
	ESG	S.W McCoppin

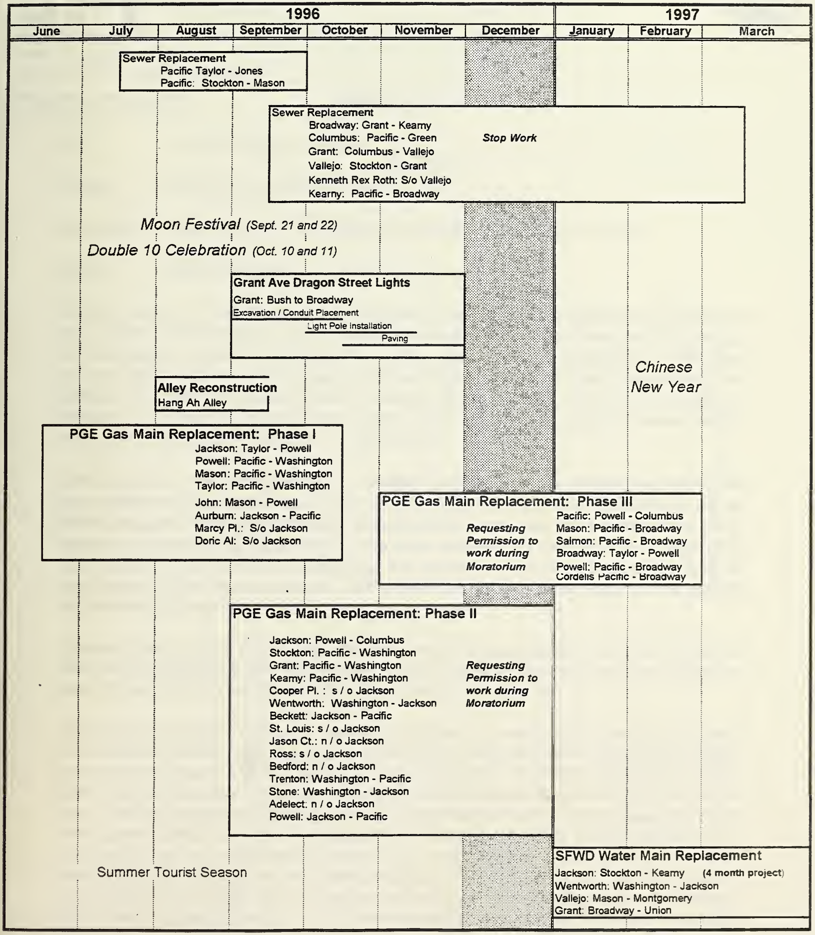
WEEK 12
WEEK 13
MONDAY 10/7
TUESDAY 10/8
WEDNSDAY 10/9
THURSDAY 10/10
FRIDAY 10/11
SATURDAY 10/12
SUNDAY 10/13
MONDAY 10/14
TUESDAY 10/15
WEDNSDAY 10/16
THURSDAY 10/17
FRIDAY 10/18
SATURDAY 10/19
SUNDAY 10/20
MONDAY 10/21
TUESDAY 10/22

ATTACHMENT A

span/bent	COMPANY	OPERATION	WEDNSDAY 10/23	THURSDAY 10/24	FRIDAY 10/25	SATURDAY 10/26	SUNDAY 10/27	MONDAY 10/28	TUESDAY 10/29	WEDNSDAY 10/30	THURSDAY 10/31	FRIDAY 11/1	SATURDAY 11/2	SUNDAY 11/3
		Street Closures												
		McCoppin Closed												
		Elgin PK Closed												
		Market Closed												
		N.B Octavia Closed												
		to Haight												
		Haight Closed												
		Rose Closed												
		Page Closed												
		Lily Closed												
		Octavia Closed												
		Rose to Oak												
	DC	Demo Spans												
		20 21 22 23												
	PC	Col Demo												
		20.21.22.23												
	DC	Protection												
		Frames 9 + 10												
	DC	Demo Spans												
		24-25-26-27												
	PC	Col. Demo												
		24-25-26-27												
	DC	Demo Spans												
		28-29-30-31												
	DC	Clean PK Lots												
		Duboce - Valencia												
	GB	Replace Fence												
		Duboce - Valencia												
	GB	Temp Fence												
	CCM	Shoot 30-31 Top												
	CCM	Pour 33 Shoot 33 Top												
	CCM	Misc Form + Dowel												
	CCM	Form + Shoot 32												
	ESC	Pour S.W. Valencia												
	ESC	Grind + Pave												
		McCoppin												
	ESC	S.W McCoppin												
		[illegible]												
		[illegible]												

CHINATOWN CONSTRUCTION SCHEDULE
1996 - 1997

ATTACHMENT B



Sewer Replacement
Pacific Taylor - Jones
Pacific: Stockton - Mason

Sewer Replacement
Broadway: Grant - Kearny
Columbus: Pacific - Green
Grant: Columbus - Vallejo
Vallejo: Stockton - Grant
Kenneth Rex Roth: S/o Vallejo
Kearny: Pacific - Broadway

Stop Work

Moon Festival *(Sept. 21 and 22)*

Double 10 Celebration *(Oct. 10 and 11)*

Grant Ave Dragon Street Lights
Grant: Bush to Broadway
Excavation / Conduit Placement
Light Pole Installation
Paving

Alley Reconstruction
Hang Ah Alley

Chinese New Year

PGE Gas Main Replacement: Phase I
Jackson: Taylor - Powell
Powell: Pacific - Washington
Mason: Pacific - Washington
Taylor: Pacific - Washington
John: Mason - Powell
Aurburn: Jackson - Pacific
Marcy Pl.: S/o Jackson
Doric Al: S/o Jackson

PGE Gas Main Replacement: Phase III
Pacific: Powell - Columbus
Mason: Pacific - Broadway
Salmon: Pacific - Broadway
Broadway: Taylor - Powell
Powell: Pacific - Broadway
Cordelis Pacific - Broadway

Requesting Permission to work during Moratorium

PGE Gas Main Replacement: Phase II
Jackson: Powell - Columbus
Stockton: Pacific - Washington
Grant: Pacific - Washington
Kearny: Pacific - Washington
Cooper Pl. : s / o Jackson
Wentworth: Washington - Jackson
Beckett: Jackson - Pacific
St. Louis: s / o Jackson
Jason Ct.: n / o Jackson
Ross: s / o Jackson
Bedford: n / o Jackson
Trenton: Washington - Pacific
Stone: Washington - Jackson
Adelect: n / o Jackson
Powell: Jackson - Pacific

Requesting Permission to work during Moratorium

Summer Tourist Season

SFWD Water Main Replacement
Jackson: Stockton - Kearny (4 month project)
Wentworth: Washington - Jackson
Vallejo: Mason - Montgomery
Grant: Broadway - Union

☐ **Special Events**

▨ **Holiday Construction Moratorium - Traffic**
November 28, 1996 through January 1, 1997

u:cc\chinatown\CTSCH6color.xls

Revised 9/12/96

ATTACHMENT C

SAN FRANCISCO
DPT
DEPARTMENT OF PARKING & TRAFFIC
Traffic Engineering Division
City and County of San Francisco

WILLIE LEWIS BROWN, JR., MAYOR
JOHN E. NEWLIN, Executive Director

MEMORANDUM

TO: To Whom It May Concern

FROM: Bond M. Yee, Bureau Chief, Traffic

SUBJECT: New Ordinance on Restricted Parking in Construction Zones

DATE: October 9, 1996

On September 11, 1996, The Board of Supervisors passed an Ordinance (No. 355-96; File No. 124-96-7) that amends Article 3 of the San Francisco Traffic Code allowing parking by the general public in construction zones under specific conditions. Following established procedures, this Ordinance will become **effective** 30 days after passing, i.e. **October 11, 1996**. It will be **in effect through June 30, 1997**, at which time the new Section 33.1A added to Article 3 of the Traffic Code "shall expire, unless it is extended or otherwise amended by the Board of Supervisors."

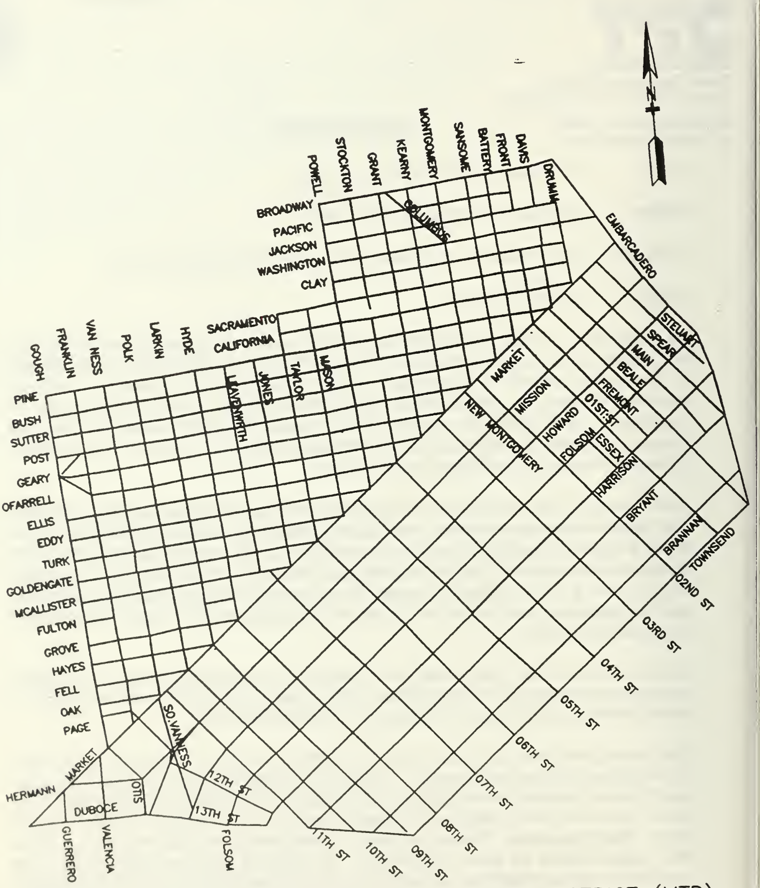
Specifically, this new Section allows **"vehicular parking in areas zoned for residential and neighborhood-commercial uses where temporary parking restrictions are in effect because of public or private construction work and the construction work does not commence by 12:00 noon of the date noticed."** If road work is to begin *after* 12:00 noon or is not in continuous progress, the contractor shall place appropriate devices (such as barricades, signs, cones) as "visible evidence that work has begun and to protect the construction area."

This new Section of the Traffic Code does not apply to construction zones "on any street within the area defined as the Metropolitan Traffic District by Section 3-a of this code and state highways within the City and County." (see attached map)

The typical construction zone sign has to be modified to provide the relevant information to permittees and the motoring public. Local sign companies have developed a sticker which must be attached to the standard TOW-AWAY NO STOPPING CONSTRUCTION ZONE sign (as shown on attachments) if used in residential and neighborhood commercial areas. That sticker states: "Parking permitted if construction work has not begun by 12:00 noon" (green letters on white background). In situations where parking needs to be prohibited to maintain traffic flow and safety (e.g., prohibiting parking next to a construction fence in order to maintain a moving lane 24 hours), the permittee shall post TOW-AWAY NO STOPPING ANYTIME, S.F.P.D. signs (red letters on white background; see attached Street Space Agreement form). – For more information, see attached Ordinance No. 355-96.

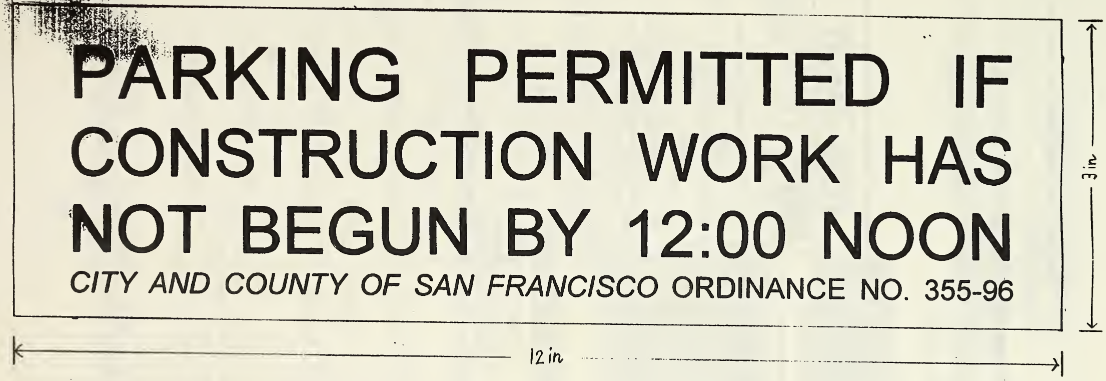
CON-PARK.2

(415) 554-2300 FAX (415) 554-2352 25 Van Ness Ave., Suite 345 San Francisco, CA 94102-4576


N
POWELL
STOCKTON
GRANT
KEARNY
MONTGOMERY
SANSOME
BATTERY
FRONT
DAVIS
DRUMM
BROADWAY
PACIFIC
JACKSON
WASHINGTON
CLAY
COLUMBUS
EMBARCADERO
SACRAMENTO
CALIFORNIA
GOUGH
FRANKLIN
VAN NESS
POLK
LARKIN
HYDE
LEAVENWORTH
JONES
TAYLOR
MASON
STEUART
SPEAR
MAIN
BEALE
FREMONT
01ST ST
ESSEX
MARKET
MISSION
NEW MONTGOMERY
HOWARD
FOLSOM
HARRISON
BRYANT
BRANNAN
TOWNSEND
PINE
BUSH
SUTTER
POST
GEARY
OFARRELL
ELLIS
EDDY
TURK
GOLDENGATE
MCALLISTER
FULTON
GROVE
HAYES
FELL
OAK
PAGE
02ND ST
03RD ST
04TH ST
05TH ST
06TH ST
07TH ST
08TH ST
09TH ST
10TH ST
11TH ST
SO.VAN NESS
12TH ST
13TH ST
MARKET
HERMANN
DUBOCE
OTIS
GUERRERO
VALENCIA
FOLSOM

METROPOLITAN TRAFFIC DISTRICT (MTD)
(NOT TO SCALE)

NOTE: THE MTD IS DEFINED TO BE ALL STREETS
WITHIN THE BOUNDARY LINES



PARKING PERMITTED IF
CONSTRUCTION WORK HAS
NOT BEGUN BY 12:00 NOON
CITY AND COUNTY OF SAN FRANCISCO ORDINANCE NO. 355-96

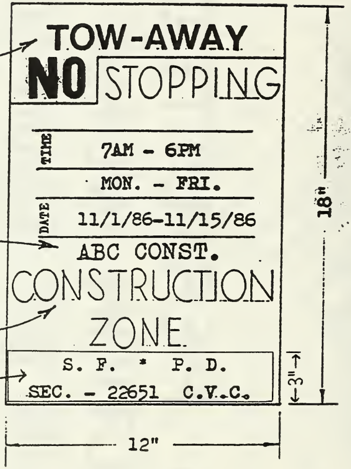
Sticker dimensions : 12 inches × 3 inches.

Letters/numbers of this sticker should be green on white background.

"TOW AWAY NO STOPPING"

1. **USE THE PROPER SIGNS AND SET THEM UP IN TIME.**

   (see page 11 for additional details)


TOW-AWAY
NO STOPPING
TIME
7AM - 6PM
MON. - FRI.
DATE
11/1/86-11/15/86
ABC CONST.
CONSTRUCTION
ZONE
S. F. * P. D.
SEC. - 22651 C.V.C.
18"
3"
12"

White Letters on Red Background

Name of Contractor

Red Letters on White Background

the 12" x 3" sticker shall cover the lines "S. F. P. D." and "SEC. – 22651 C. V. C."

from:

"REGULATIONS FOR WORKING IN SAN FRANCISCO STREETS

STREET SPACE AGREEMENT

LOCATION:	MEETING DATE:
PROJECT:	DAY AND TIME:
APPLICATION:	STREET SPACE NO:

STREETS AFFECTED

1. EXISTING			
a. Front Footage			
b. Street Width			
c. Sidewalk Width			
d. Road Width			
2. FOOTAGE GRANTED			
a. Sidewalk Use			
b. Road Use			
c. Pedestrian Walk Inc.			
3. LANES USED			
a. Parking			
b. Moving			
c. Street Closed			
4. RESTRICTIONS			
a. Towaway A.M.			
b. Towaway P.M.			
c. Bus Zone			
5. TRAFFIC CONTROL			
a. Signs as required			
b. Flagmen as required			
c. Lights as required			

SPECIAL REQUIREMENTS

TOWAWAY
NO STOPPING
ANYTIME
S.F.P.D.

4" RED LETTERS ON WHITE BACKGROUND POSTED EVERY 25' ON EXTERIOR OF BARRICADE

TOWAWAY
NO STOPPING
(CONTRACTOR)
(TIME)
(DATE)
CONSTRUCTION
ZONE
S.F.P.D.
SEC. 22651MCVC

White Letters & Red Background

Red Letters & White Background

POST EVERY 25' ON EXTERIOR OF BARRICADE

NOTIFY

CONSTRUCTION ZONE BECOMES VALID 72 HRS AFTER NOTIFICATION	
ALLOW 5 FEET CLEARANCE AROUND FIRE HYDRANT	
SIGN REMOVAL OR INSTALLATION	554-9780
METER REMOVAL OR INSTALLATION	554-2323
TRAFFIC SIGNAL ADJUSTMENT, DPT	550-2736
INSPECTION OF SIDEWALK, CURB, GUTTER AND ROADWAY	554-5864

SPECIAL CONDITIONS:

ENCROACHMENT CONTROL	Frank Casey 554-7149 (554-6161 fax)	CONTRACTOR	SITE PHONE
TRAFFIC ENGINEERING	Tom Sorrentino 554-2345 (554-2352 fax)	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION ACTIVITIES INCLUDING THE LOADING AND UNLOADING OF EQUIPMENT AND MATERIALS AND SHALL BE SUBJECT TO A $1000 PER DAY PENALTY FOR A FAILURE TO FOLLOW THIS AGREEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROPER PEDESTRIAN PROTECTION	
MUNI	Jim Oom 554-9286	CONTRACTOR SUPT	DATE

SCAFFOLD AND PEDESTRIAN CANOPIES MUST MEET CITY AND FEDERAL SPECIFICATIONS.

stspcagr.xls rev10/7/96

FILE NO. 124-96-7 Amendment of the Whole 9/3/96 ORDINANCE NO. 355-96

(RESTRICTED PARKING - CONSTRUCTION ACTIVITY)

AMENDING ARTICLE 3 OF THE SAN FRANCISCO TRAFFIC CODE BY ADDING SECTION 33.1A THERETO, ALLOWING VEHICULAR PARKING IN AREAS ZONED FOR RESIDENTIAL AND NEIGHBORHOOD-COMMERCIAL USES WHERE TEMPORARY PARKING RESTRICTIONS ARE IN EFFECT BECAUSE OF PUBLIC OR PRIVATE CONSTRUCTION WORK AND THE CONSTRUCTION WORK DOES NOT COMMENCE BY 12:00 NOON OF THE DATE NOTICED, AND PROVIDING THAT THIS SECTION SHALL BE IN EFFECT THROUGH JUNE 30, 1997.

NOTE: All provisions are new.

Be it ordained by the people of the City and County of San Francisco:

Section 1. Article 3 of the San Francisco Traffic Code is hereby amended by adding Section 33.1A thereto reading as follows:

SEC. 33.1A. VEHICULAR OR PEDESTRIAN TRAFFIC AND PARKING PROHIBITED OR RESTRICTED IN CERTAIN CASES - RESIDENTIAL AND NEIGHBORHOOD-COMMERCIAL AREAS

The prohibition imposed by Section 33.1 shall not apply on any street in any area zoned for residential or neighborhood-commercial uses when the construction work has not begun by 12:00 noon. Any permittee who begins work by 12:00 noon and where construction activity is not in continuous progress shall place barricades, signs, cones, or other device on the street where the parking is restricted as visible evidence that work has begun and to protect the construction area. In a case where the restricted parking is not entirely necessary for any day as originally posted, the permittee shall erect appropriate signs giving a minimum of 24 hours' notice of the revised and decreased hours of the temporary parking prohibition.

Signs posted pursuant to this section shall include within the notice that the temporary parking prohibition is in effect pursuant to Section 33.1A, Residential Areas, of the San Francisco Traffic Code.

Signs, as determined by the Department of Parking and Traffic to maintain a moving traffic lane, shall be placed to inform the public of a temporary parking prohibition that is in effect for twenty-four hours. Such signs shall be of a color that is different than the sign that informs the public of a temporary parking prohibition that is in effect less than twenty-four hours per day.

This Section shall not apply on any street within the area defined as the Metropolitan Traffic District by Section 3-a of this code and state highways within the City and County.

The provisions of this Section shall not apply to a vehicle that is actually engaged in making delivery or pickup of construction materials being used at the site of the construction work that necessitate issuance of the permit.

When a vehicle is removed from a street at the request of a permittee pursuant to this Section and a post-storage hearing determines that as a result of the permittee's improper posting of the required signs, reasonable grounds did not exist for removal, the responsible permittee shall reimburse the City and County of San Francisco for the cost incurred in storage and towing. If a permittee fails to provide reimbursement or to agree to assume all liability for any improper posting future requests by that permittee for removal of vehicles in violation of this Section shall be denied.

The responsible permittee shall be given timely notice of the vehicle owner's request for a poststorage hearing and the time and place of such hearing.

This Section shall not apply to a utility or public utility, whether privately, municipally, or publicly owned, as defined by State law, nor shall it apply to vehicles of cable television whether privately, municipally, or publicly owned, as defined by State law, nor shall it apply to vehicles of cable television services, when the utility or cable television provider undertakes emergency repairs to utility or cable facilities necessary for the preservation and maintenance of public utility or cable television

This section shall be in effect through June 30, 1997 and shall expire, unless it is extended or otherwise amended by the Board of Supervisors.

APPROVED AS TO FORM:

DEPUTY CITY ATTORNEY

Board of Supervisors, San Francisco

Passed for Second Reading	§	Finally Passed
	§	
September 3, 1996	§	September 9, 1996
	§	
	§	
Ayes: Supervisors Alioto Ammiano Hsieh Katz Kaufman Leal Shelley Teng Yaki	§	Ayes: Supervisors Alioto Ammiano Bierman Brown Hsieh Katz Kaufman Shelley Teng Yaki
	§	
Absent: Supervisors Bierman Brown	§	Absent: Supervisor Leal

I hereby certify that the foregoing ordinance
was finally passed by the Board of Supervisors
of the City and County of San Francisco

John L. Taylor

Clerk

File No.
124-96-7

SEP 11 1996

Date Approved

Mayor

City and County of San Francisco **Department of Public Works**
Bureau of Engineering

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

COMMITTEE MEETING NO. 381

BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR
THURSDAY November 14, 1996
10:00 AM

SF
85.93
#1
/14/96

TABLE OF CONTENTS:

I. Minutes of October 10, 1996 Meeting — Page:

Old Business: I - 1
- Caltrans Projects
- Central Freeway Project
- Sewer Management System
- Curb Ramp Standards
- Status Report Clearances
- Stick Map / GIS Centerline Layer
- Blue Book
- Flowable Fill
- Draft Legislation for Street Excavation
- Administrative Code

New Business:
- Street Excavation Code (Mr. Troyan of DPW)
- Northeast Quadrant Transportation Study (Mr. Moscovich of SFTA)
- 911 Emergency Communication Center (Mr. Travis of BOA)

II. DPT - Temporary Street Closure Report II - 1

III. Underground Planning Meeting Minutes III - 1

IV. Utility Coordination Report IV - 1

V. Five Year Sewer Plan Report V - 1

VI. Street Work Status Reports VI - 1

DOCUMENTS DEPT.
NOV 13 1996
SAN FRANCISCO
PUBLIC LIBRARY

Next Meeting: Thursday December 12, 1996 at 10:00 A. M.
BOE Conference Room
1680 Mission Street, 4th Floor

Accessible Meeting Information

1. The meeting room is wheelchair accessible. Accessible seating for people with disabilities (including those using wheelchairs) will be available.

2. For American sign language interpreters, use of a reader during meeting, or sound enhancements, please contact CULCOP secretary at (415) 554-8274, at least 72 hours in advance of need. Late requests will be honored if possible.

3. Following a meeting, minutes are available in large prints or alternative formats. Please call CULCOP secretary at (415) 554-8274.

4. As part of the City's efforts to accommodate people with severe allergies, environmental illnesses, multiple chemical sensitivity, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these attendees and refrain from wearing perfume or other scented products.

5. The meeting will be held at 1680 Mission Street, the Fourth Floor Conference Room. Accessible Muni line serving this location is:

   Muni Bus Lines: #14, #14L on Mission Street; # 42 on Van Ness Avenue;
   #26 on Valencia Street; #71 on Noriega Street; #9 on Market Street.
   Muni Street Cars: K, L, M, N, stops at Van Ness Station.

   For further information about MUNI accessible services, call MUNI's Elderly and Handicapped Program at 923-6142, TDD 923-6366.

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 380

October 10, 1996

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Dave Moore	558-4566
Nelson Wong	554-8281

Office of Capital Resources Management

Amy Chow	554-8249
Joe Norris	554-8274
George White	557-4740

Bureau of Street and Sewer Repair

☛ **(Representative not present)**

Bureau of Street Use Management

Cynthia Chono	554-6196

Bureau of Construction Management

Noushin Oshidam	554-8317

DPW Public Affairs

☛ **(Representative not present)**

Department of Parking and Traffic

Scott Broady	554-2326

MUNI Engineering

☛ **(Representative not present)**

San Francisco Port Authority

Skip Zeller	274-0552

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department
City Distribution Division

☛ **(Representative not present)**

Caltrans

Karen Ashe	557-7052
Dean Drablos	330-6537
Tom Franklin	510-286-4424

Pacific Bell

David Ohlssen	542-9095
Gil Sams	542-7428

Pacific Gas & Electric

Gilbert Munoz	695-3550

SF Thermal

☛ **(Representative not present)**

TCI

David Walunas	863-8500

Navigation Technologies

☛ **(Representative not present)**

Jefferson Company

Ocie Williams	673-3011

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 380
October 10, 1996

The September 12, 1996 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Ms. Ashe reported that the schedule for the Alemany Circle Project has been revised: the contract will be awarded next week, with construction to begin in December.

At China Basin, electrical potholing is set for next week at Mariposa. The potholing will be done by the Caltrans contractor and Caltrans will work with DPW to resolve any conflicts. There has been disagreements, compounded by a DPT manpower shortage, regarding who should move a DPT traffic signal pullbox at the Mariposa offramp.

7th St between 16th St and Irwin St needs potholing for electrical and telephone lines, and there are problems with the trackways.

For the Central Freeway project, Ms. Ashe distributed a current street closure schedule, and noted that cooperation by the various agencies has been good. (See attachment A.) Ms. Chow noted that the locations are reflected in the CULCOP Status Report as "CDOT" under the job order column and the locations are also being cleared by utilities. There is some Pac Bell work on Brannan St near Dore.

For the Bayshore Viaduct retrofit, Ms. Ashe will arrange a walk through with interested parties to resolve problems with the revised footings.

Mr. Franklin noted that the City's paving project on Bayshore and San Bruno near the Alemany Circle may impact the Caltrans schedule in the area. There will be a meeting at 1680 Mission at 10:00 am October 16 to discuss this. Mr. Franklin also discussed work done by Pac Bell and the Water Department on Caltrans property without permits. He asked that utilities check with Mr. Drablos for any locations near highways to verify whether they are under Caltrans jurisdiction. He will distribute a current listing of annual permit locations for reference. Caltrans will work with utilities to take care of the paperwork after emergency jobs. Ms. Chono asked for a copy of the permits for reference.

Sewer Management System Ms. Chow recommended that utilities check the sewer project report in each month's minutes package, since it changes from month to month.

Curb Ramp Standards Mr. Sams asked about changes in the procedure for developing exceptions to curb ramp standards. Pac Bell indicated they had not received any memos.

Mr. Wong provided some background on this issue and explained that there are two standard plans. For any site, DPW will design the ramps according to one of the standard plans. Where the site cannot accommodate the standard plans, DPW will develop alternatives and submit them to Caltrans for approval. Ms. Chono indicated that Project Development would decide and then inform BSM through Mr. Skaff regarding the exceptions. Mr. White added that discussion is in progress regarding the criteria for the exceptions: the City and Caltrans want to allow exceptions for certain items in the wings outside the 48" path of travel, and the FHWA wants to exclude any objects from the wings. We will provide updates as the issues are resolved.

Status Report Clearances Ms. Chow reiterated that the accuracy and usefulness of the Status Report depend on the quality and timing of utility information. She noted that the fax method seems to be working well, and we will continue to use it as requested. Mr. White asked which members have e-mail that could be used to simplify and expedite the process

Stick Map Ms. Chow displayed maps of Caltrans streets and Pavement Condition. Ms. Chow indicated, in the future, the current stickmap will be replaced by the GIS basemap layer and applications with the current stick map will be transferred to the new environment. Mr. White provided an update on progress of the GIS basemap. He met recently with the consultants in Portland, Oregon; their work is in its final stages. Mr. Williams asked when this would be completed; Mr. White replied that we hope to have samples maps to show at the December meeting. There will be a three to six month process of moving existing applications into the GIS environment, which will be discussed at the November meeting. The first issue of the GIS maps will be prototypes for which we will welcome feedback.

Blue Book & Restricted Parking in Construction Zones Mr. Broady reported that the blue book is still in draft form. Interested parties can also call Mr. Woo. A new ordinance on restricted parking in construction zones was passed by the Board of Supervisors on September 11th. The restriction is effective from October 11, 1996 through June 30, 1997. The boundary of the construction zone is enclosed. (See Attachment C.)

Chinatown Special Construction Zone Ms. Chono distributed a current work schedule. The construction manager is Raymond Woo. So far the process is working well. (See enclosed schedule of construction projects, Attachment B.)

NEW BUSINESS

Flowable Fill Mr. Wong discussed the background and current status of the City's position. We have been investigating flowable fill materials for several years as an alternative to jetted sand. Tests have shown its usefulness and definite advantages for some applications, but there have been problems with quality control, and some agencies have objected to using the material. The civil grand jury has recently recommended that the City hold a meeting to discuss its use, and CULCOP could be the appropriate forum if the members are interested. Mr. Franklin noted that Caltrans requires a copy of the manufacturer's ticket; they do not allow sand jetting for highways, but allows either Class 2 aggregate or a 2% slurry mix — not Controlled Density Fill. Ms. Chono added that BSM only allows Controlled Density Fill with both the ticket and the "shovel test".

Draft Legislation for Street Excavation Mr. White announced that draft legislation is now under review to revise the City's policy on excavation permits. The highlights of this legislation include:

- Extending the excavation moratorium from the present three years to five;
- Setting guidelines for joint construction projects;
- Encouraging data sharing among agencies that work in the public right-of-way;
- Requiring City agencies to obtain permits and pay fees.

Mr. Sams asked if the legislation covers all street permits or just excavation, and what was the main purpose. Mr. White replied that it addressed all excavations, and the intent is to create a single information source for project coordination. Mr. Munoz, citing problems with a lack of information from building construction, asked who will review the information and what it will cover. Mr. White answered that activity relating to building permits will be included as a part of the data repository. DPW just started a street construction task force, composed at first of City agencies and later of others, to focus on data sharing. The aim is to create a single point of access, through a GIS application, for any agency or citizen to find out construction information.

Mailing Label Update Per Mr. Ladner's suggestion last month, we will issue a copy of our current mailing list for corrections and updates.

Administrative Code Mr. White distributed copies of Administrative Code Article 7, which is the legislative basis for CULCOP. He announced our intention to invoke the Director's level supervising committee on a regular basis, as provided in the legislation, to renew upper management's support for the CULCOP forum and process. This ties in with the Mayor's letter and Director's memo included in last month's Minutes. Mr. Franklin asked if this includes Caltrans. Mr. Norris replied that the listing of agencies in the legislation includes any agency active in the City's streets and is not intended to be exclusive. Caltrans, currently, is a major player and therefore a key member. Mr. White added that today's announcement is an advance notice, for which we will provide information of meetings and other activities as they arise.

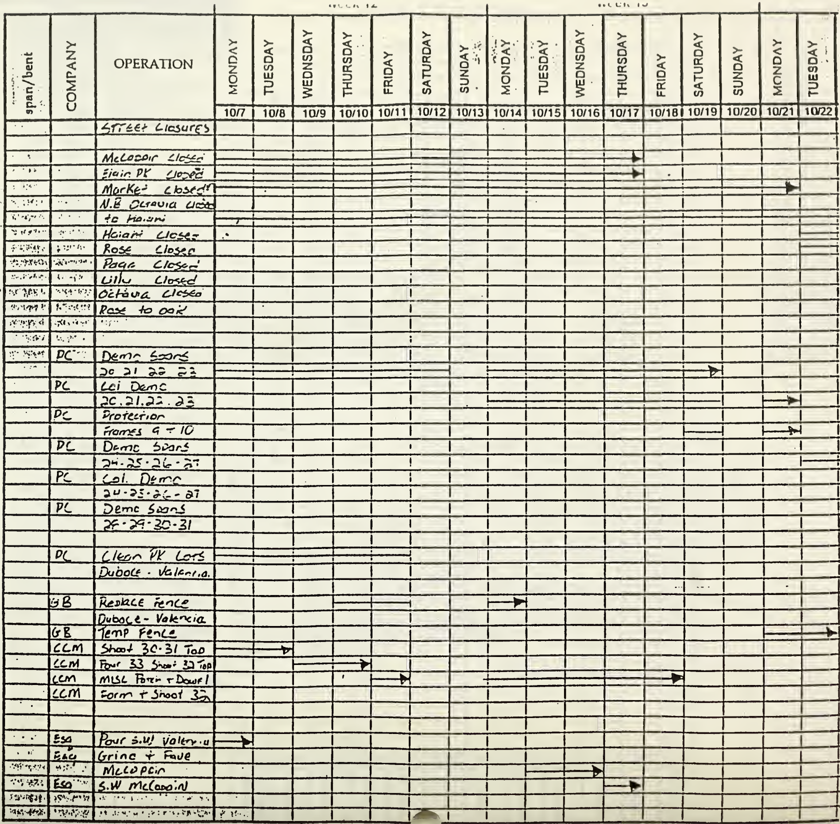
Mr. White asked that members begin preparing databases of major projects or special construction zones for the January meeting. Please see Amy Chow for details on data base structure and other features. This will allow us to shift from the current paving driven CULCOP to an all project coordination application in GIS

We expect to issue a new PMMS Annual Report within the next month.

Ms. Oshidari cited problems obtaining information about Utility Coordination for a project she is doing for BCM, including erroneous referrals and general run-around. If she got this as a fellow employee, what would a citizen experience. Mr. Norris concurred, from numerous encounters with citizens who had received the same treatment before reaching him. The City needs to build, and enforce proper use of, an effective referral system to take proper advantage of the data sharing structure.

The next meeting will be at 10:00 am Thursday, November 14, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

ATTACHMENT A



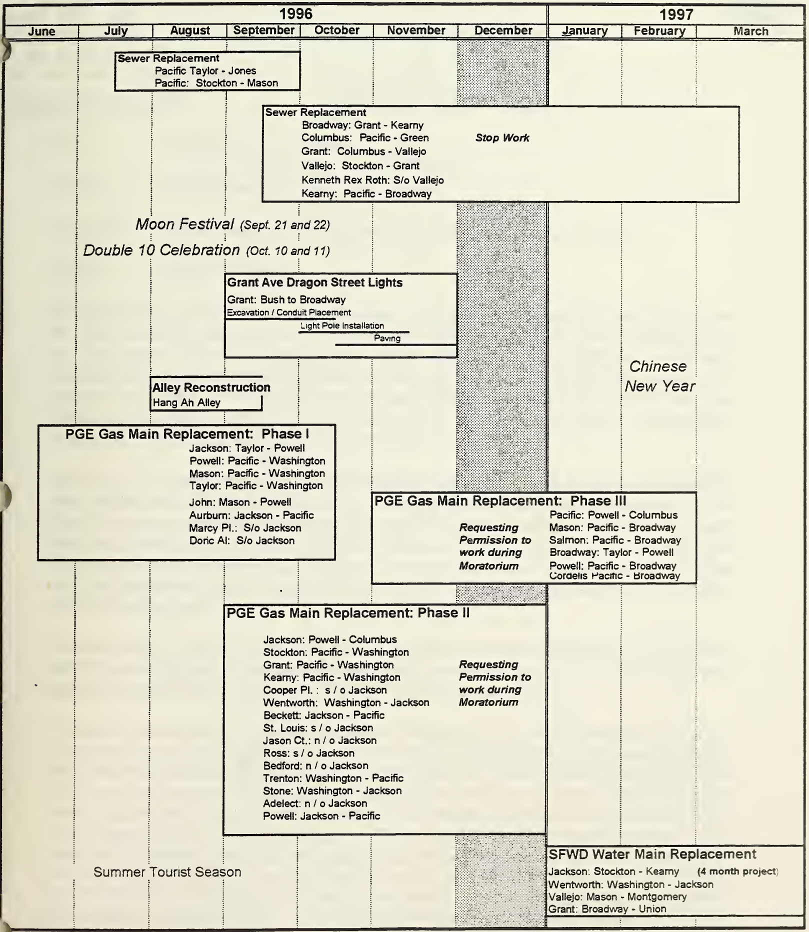
ATTACHMENT A

span/bent	COMPANY	OPERATION	WEDNSDA 10/23	THURSDA 10/24	FRIDAY 10/25	SATURDA 10/26	SUNDAY 10/27	MONDAY 10/28	TUESDAY 10/29	WEDNSDA 10/30	THURSDA 10/31	FRIDAY 11/1	SATURDA 11/2	SUNDAY 11/3
		Street Closures												
		McCoppin Closed												
		Elgin PK Closed												
		Market Closed												
		N.B Octavia Closed												
		to Haight												
		Haight Closed												
		Rose Closed												
		Page Closed												
		Lily Closed												
		Octavia Closed												
		Rose to Oak												
	DC	Demo Spans												
		20 21 22 23												
	PC	Col Demo												
		20.21.22.23												
	DC	Protection												
		Frames 9 + 10												
	DC	Demo Spans												
		24·25·26·27												
	PC	Col. Demo												
		24·25·26·27												
	PC	Demo Spans												
		28·29·30·31												
	DC	Clean PK Lots												
		Duboce · Valencia												
	GB	Replace Fence												
		Duboce - Valencia												
	GB	Temp Fence												
	CCM	Shoot 30·31 Top												
	CCM	Pour 33 Shoot 33 Top												
	CCM	Misc Form + Dowel												
	CCM	Form + Shoot 32												
	ESG	Pour S.W. Valencia												
	ESG	Grind + Pave												
		McCoppin												
	ESG	S.W McCoppin												

CHINATOWN CONSTRUCTION SCHEDULE

1996 - 1997

ATTACHMENT B



Sewer Replacement
Pacific Taylor - Jones
Pacific: Stockton - Mason

Sewer Replacement
Broadway: Grant - Kearny
Columbus: Pacific - Green
Grant: Columbus - Vallejo
Vallejo: Stockton - Grant
Kenneth Rex Roth: S/o Vallejo
Kearny: Pacific - Broadway

Stop Work

Moon Festival (Sept. 21 and 22)

Double 10 Celebration (Oct. 10 and 11)

Grant Ave Dragon Street Lights
Grant: Bush to Broadway
Excavation / Conduit Placement
Light Pole Installation
Paving

Chinese New Year

Alley Reconstruction
Hang Ah Alley

PGE Gas Main Replacement: Phase I
Jackson: Taylor - Powell
Powell: Pacific - Washington
Mason: Pacific - Washington
Taylor: Pacific - Washington
John: Mason - Powell
Aurburn: Jackson - Pacific
Marcy Pl.: S/o Jackson
Doric Al: S/o Jackson

PGE Gas Main Replacement: Phase III
Pacific: Powell - Columbus
Mason: Pacific - Broadway
Salmon: Pacific - Broadway
Broadway: Taylor - Powell
Powell: Pacific - Broadway
Cordelis Pacific - Broadway

Requesting Permission to work during Moratorium

PGE Gas Main Replacement: Phase II
Jackson: Powell - Columbus
Stockton: Pacific - Washington
Grant: Pacific - Washington
Kearny: Pacific - Washington
Cooper Pl. : s / o Jackson
Wentworth: Washington - Jackson
Beckett: Jackson - Pacific
St. Louis: s / o Jackson
Jason Ct.: n / o Jackson
Ross: s / o Jackson
Bedford: n / o Jackson
Trenton: Washington - Pacific
Stone: Washington - Jackson
Adelect: n / o Jackson
Powell: Jackson - Pacific

Requesting Permission to work during Moratorium

SFWD Water Main Replacement
Jackson: Stockton - Kearny **(4 month project)**
Wentworth: Washington - Jackson
Vallejo: Mason - Montgomery
Grant: Broadway - Union

Summer Tourist Season

☐ **Special Events**

▨ **Holiday Construction Moratorium - Traffic**
November 28, 1996 through January 1 1997

u:cc\chinatown\CTSCH6color.xls

Revised 9/12/96

ATTACHMENT C

SAN FRANCISCO
DPT
DEPARTMENT OF PARKING & TRAFFIC
Traffic Engineering Division
City and County of San Francisco

WILLIE LEWIS BROWN, JR., MAYOR
JOHN E. NEWLIN, Executive Director

MEMORANDUM

TO: To Whom It May Concern

FROM: Bond M. Yee, Bureau Chief, Traffic

SUBJECT: New Ordinance on Restricted Parking in Construction Zones

DATE: October 9, 1996

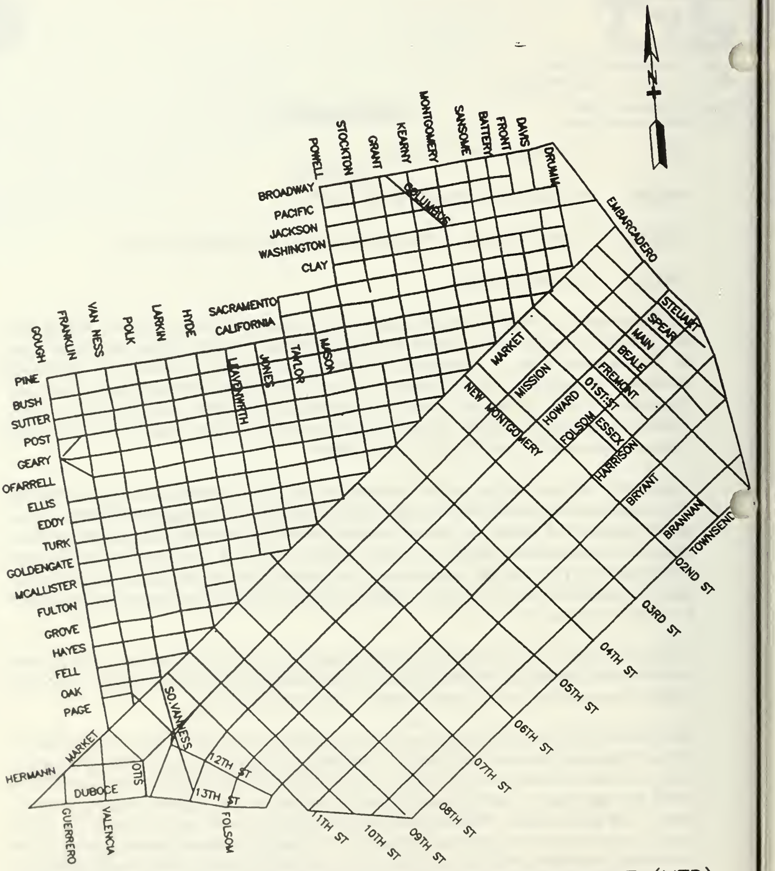
On September 11, 1996, The Board of Supervisors passed an Ordinance (No. 355-96; File No. 124-96-7) that amends Article 3 of the San Francisco Traffic Code allowing parking by the general public in construction zones under specific conditions. Following established procedures, this Ordinance will become **effective** 30 days after passing, i.e. **October 11, 1996**. **It will be in effect through June 30, 1997**, at which time the new Section 33.1A added to Article 3 of the Traffic Code "shall expire, unless it is extended or otherwise amended by the Board of Supervisors."

Specifically, this new Section allows **"vehicular parking in areas zoned for residential and neighborhood-commercial uses where temporary parking restrictions are in effect because of public or private construction work and the construction work does not commence by 12:00 noon of the date noticed."** If road work is to begin *after* 12:00 noon or is not in continuous progress, the contractor shall place appropriate devices (such as barricades, signs, cones) as "visible evidence that work has begun and to protect the construction area."

This new Section of the Traffic Code does not apply to construction zones "on any street within the area defined as the Metropolitan Traffic District by Section 3-a of this code and state highways within the City and County." (see attached map)

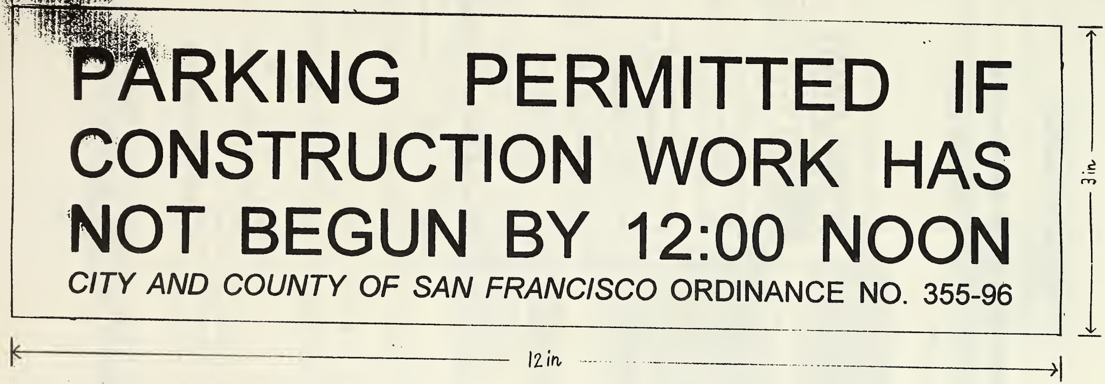
The typical construction zone sign has to be modified to provide the relevant information to permittees and the motoring public. Local sign companies have developed a sticker which must be attached to the standard TOW-AWAY NO STOPPING CONSTRUCTION ZONE sign (as shown on attachments) if used in residential and neighborhood commercial areas. That sticker states: "Parking permitted if construction work has not begun by 12:00 noon" (green letters on white background). In situations where parking needs to be prohibited to maintain traffic flow and safety (e.g., prohibiting parking next to a construction fence in order to maintain a moving lane 24 hours), the permittee shall post TOW-AWAY NO STOPPING ANYTIME, S.F.P.D. signs (red letters on white background; see attached Street Space Agreement form). – For more information, see attached Ordinance No. 355-96.

CON-PARK.2


N
POWELL
STOCKTON
GRANT
KEARNY
MONTGOMERY
SANSOME
BATTERY
FRONT
DAVIS
DRUMM
BROADWAY
PACIFIC
JACKSON
WASHINGTON
CLAY
COLUMBUS
EMBARCADERO
SACRAMENTO
CALIFORNIA
GOUGH
FRANKLIN
VAN NESS
POLK
LARKIN
HYDE
LEAVENWORTH
JONES
TAYLOR
MASON
PINE
BUSH
SUTTER
POST
GEARY
OFARRELL
ELLIS
EDDY
TURK
GOLDENGATE
MCALLISTER
FULTON
GROVE
HAYES
FELL
OAK
PAGE
STEUART
SPEAR
MAIN
BEALE
FREMONT
01ST ST
MARKET
MISSION
HOWARD
FOLSOM
ESSEX
HARRISON
NEW MONTGOMERY
BRYANT
BRANNAN
TOWNSEND
02ND ST
03RD ST
04TH ST
05TH ST
06TH ST
07TH ST
08TH ST
09TH ST
10TH ST
11TH ST
12TH ST
13TH ST
SO.VAN NESS
OTIS
MARKET
HERMANN
DUBOCE
GUERRERO
VALENCIA
FOLSOM

METROPOLITAN TRAFFIC DISTRICT (MTD)
(NOT TO SCALE)

NOTE: THE MTD IS DEFINED TO BE ALL STREETS
WITHIN THE BOUNDARY LINES



PARKING PERMITTED IF
CONSTRUCTION WORK HAS
NOT BEGUN BY 12:00 NOON
CITY AND COUNTY OF SAN FRANCISCO ORDINANCE NO. 355-96

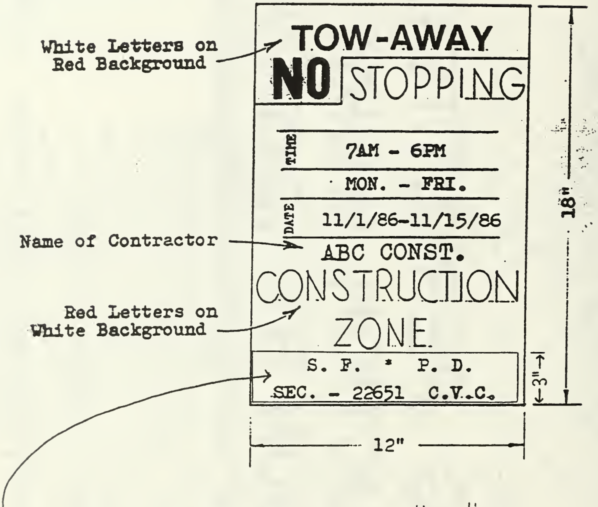
Sticker dimensions : 12 inches x 3 inches.

Letters/numbers of this sticker should be green on white background.

"TOW AWAY NO STOPPING"

1. USE THE PROPER SIGNS AND SET THEM UP IN TIME.

   (see page 11 for additional details)


TOW-AWAY
NO STOPPING
TIME
7AM - 6PM
MON. - FRI.
DATE
11/1/86-11/15/86
ABC CONST.
CONSTRUCTION ZONE
S. F. * P. D.
SEC. - 22651 C.V.C.
18"
3"
12"

White Letters on Red Background

Name of Contractor

Red Letters on White Background

the 12" x 3" sticker shall cover the lines "S. F. P. D." and "SEC. – 22651 C. V. C."

from:
"REGULATIONS FOR WORKING IN SAN FRANCISCO STREETS

8

STREET SPACE AGREEMENT

LOCATION:	MEETING DATE:
PROJECT:	DAY AND TIME:
APPLICATION:	STREET SPACE NO:

STREETS AFFECTED

1. EXISTING

a. Front Footage			
b. Street Width			
c. Sidewalk Width			
d. Road Width			

2. FOOTAGE GRANTED

a. Sidewalk Use			
b. Road Use			
c. Pedestrian Walk Inc.			

3. LANES USED

a. Parking			
b. Moving			
c. Street Closed			

4. RESTRICTIONS

a. Towaway A.M.			
b. Towaway P.M.			
c. Bus Zone			

5. TRAFFIC CONTROL

a. Signs as required			
b. Flagmen as required			
c. Lights as required			

SPECIAL REQUIREMENTS

TOWAWAY
NO STOPPING
ANYTIME
S.F.P.D.

4" RED LETTERS ON WHITE BACKGROUND POSTED EVERY 25' ON EXTERIOR OF BARRICADE

TOWAWAY
NO STOPPING

White Letters & Red Background

(CONTRACTOR)
(TIME)
(DATE)
CONSTRUCTION
ZONE
S.F.P.D.
SEC. 22651MCVC

Red Letters & White Background

POST EVERY 25' ON EXTERIOR OF BARRICADE

NOTIFY

CONSTRUCTION ZONE BECOMES VALID 72 HRS AFTER NOTIFICATION	
ALLOW 5 FEET CLEARANCE AROUND FIRE HYDRANT	
SIGN REMOVAL OR INSTALLATION	554-9780
METER REMOVAL OR INSTALLATION	554-2323
TRAFFIC SIGNAL ADJUSTMENT, DPT	550-2736
INSPECTION OF SIDEWALK, CURB, GUTTER AND ROADWAY	554-5864

SPECIAL CONDITIONS:

ENCROACHMENT CONTROL	Frank Casey 554-7149 (554-6161 fax)
TRAFFIC ENGINEERING	Tom Sorrentino 554-2345 (554-2352 fax)
MUNI	Jim Oom 554-9286

CONTRACTOR	SITE PHONE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION ACTIVITIES INCLUDING THE LOADING AND UNLOADING OF EQUIPMENT AND MATERIALS AND SHALL BE SUBJECT TO A $1000 PER DAY PENALTY FOR A FAILURE TO FOLLOW THIS AGREEMENT THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROPER PEDESTRIAN PROTECTION

CONTRACTOR SUPT	DATE

SCAFFOLD AND PEDESTRIAN CANOPIES MUST MEET CITY AND FEDERAL SPECIFICATIONS.

stspcagr.xls rev10/7/96

FILE NO. 124-96-7 Amendment of the Whole 9/3/96 ORDINANCE NO. 355-96

(RESTRICTED PARKING - CONSTRUCTION ACTIVITY)

AMENDING ARTICLE 3 OF THE SAN FRANCISCO TRAFFIC CODE BY ADDING SECTION 33.1A THERETO, ALLOWING VEHICULAR PARKING IN AREAS ZONED FOR RESIDENTIAL AND NEIGHBORHOOD-COMMERCIAL USES WHERE TEMPORARY PARKING RESTRICTIONS ARE IN EFFECT BECAUSE OF PUBLIC OR PRIVATE CONSTRUCTION WORK AND THE CONSTRUCTION WORK DOES NOT COMMENCE BY 12:00 NOON OF THE DATE NOTICED, AND PROVIDING THAT THIS SECTION SHALL BE IN EFFECT THROUGH JUNE 30, 1997.

NOTE: All provisions are new.

Be it ordained by the people of the City and County of San Francisco:

Section 1. Article 3 of the San Francisco Traffic Code is hereby amended by adding Section 33.1A thereto reading as follows:

SEC. 33.1A. VEHICULAR OR PEDESTRIAN TRAFFIC AND PARKING PROHIBITED OR RESTRICTED IN CERTAIN CASES - RESIDENTIAL AND NEIGHBORHOOD-COMMERCIAL AREAS

The prohibition imposed by Section 33.1 shall not apply on any street in any area zoned for residential or neighborhood-commercial uses when the construction work has not begun by 12:00 noon. Any permittee who begins work by 12:00 noon and where

construction activity is not in continuous progress shall place barricades, signs, cones, or other device on the street where the parking is restricted as visible evidence that work has begun and to protect the construction area. In a case where the restricted parking is not entirely necessary for any day as originally posted, the permittee shall erect appropriate signs giving a minimum of 24 hours' notice of the revised and decreased hours of the temporary parking prohibition.

Signs posted pursuant to this section shall include within the notice that the temporary parking prohibition is in effect pursuant to Section 33.1A, Residential Areas, of the San Francisco Traffic Code.

Signs, as determined by the Department of Parking and Traffic to maintain a moving traffic lane, shall be placed to inform the public of a temporary parking prohibition that is in effect for twenty-four hours. Such signs shall be of a color that is different than the sign that informs the public of a temporary parking prohibition that is in effect less than twenty-four hours per day.

This Section shall not apply on any street within the area defined as the Metropolitan Traffic District by Section 3-a of this code and state highways within the City and County.

The provisions of this Section shall not apply to a vehicle that is actually engaged in making delivery or pickup of construction materials being used at the site of the construction work that necessitate issuance of the permit.

When a vehicle is removed from a street at the request of a permittee pursuant to this Section and a post-storage hearing determines that as a result of the permittee's improper posting of the required signs, reasonable grounds did not exist for removal, the responsible permittee shall reimburse the City and County of San Francisco for the cost incurred in storage and towing. If a permittee fails to provide reimbursement or to agree to assume all liability for any improper posting future requests by that permittee for removal of vehicles in violation of this Section shall be denied.

The responsible permittee shall be given timely notice of the vehicle owner's request for a poststorage hearing and the time and place of such hearing.

This Section shall not apply to a utility or public utility, whether privately, municipally, or publicly owned, as defined by State law, nor shall it apply to vehicles of cable television whether privately, municipally, or publicly owned, as defined by State law, nor shall it apply to vehicles of cable television services, when the utility or cable television provider undertakes emergency repairs to utility or cable facilities necessary for the preservation and maintenance of public utility or cable television

This section shall be in effect through June 30, 1997 and shall expire, unless it is extended or otherwise amended by the Board of Supervisors.

APPROVED AS TO FORM:

DEPUTY CITY ATTORNEY

Board of Supervisors, San Francisco

Passed for Second Reading	§	Finally Passed
	§	
September 3, 1996	§	September 9, 1996
	§	
	§	
Ayes: Supervisors Alioto Ammiano Hsieh Katz Kaufman Leal Shelley Teng Yaki	§ § §	Ayes: Supervisors Alioto Ammiano Bierman Brown Hsieh Katz Kaufman Shelley Teng Yaki
	§	
Absent: Supervisors Bierman Brown	§	Absent: Supervisor Leal

I hereby certify that the foregoing ordinance
was finally passed by the Board of Supervisors
of the City and County of San Francisco

Clerk

File No.
124-96-7

SEP 11 1996

Date Approved

Mayor

18

8

UPCOMING STREET CLOSURES FOR SPECIAL EVENTS

EVENT	START DATE	END DATE	TYPE	STREETS	OK
GLEN PARK COMMUNITY FESTI	10/27/96	10/27/96		WILDER:DIAMOND TO 200 EASTERLY	9/12/96
HALLOWEEN	10/28/96	11/1/96		FULTON: LARKIN TO HYDE	9/26/96
HALLOWEEN FOR KIDS	10/31/96	10/31/96		FAIR OAKS:22ND TO 25TH STS.	9/12/96
HALLOWEEN	10/31/96	11/1/96		VARIOUS LOCATIONS:CASTRO DISTRICT	8/22/96
HALLOWEEN	10/31/96	11/1/96	FAIR	VARIOUS LOCATIONS:CIVIC CENTER & C	7/11/96
VALET PARKING: GROUND ZER	11/1/96	11/2/96		17TH ST: FOLSOM TO TREAT	10/10/96
DAY OF THE DEAD PROCESSIO	11/2/96	11/2/96		24TH ST:MIS TO HAR; MIS: 24TH TO 25TH	9/12/96
ORACLE CORPORATE EVENT	11/6/96	11/6/96		VARIOUS LOCATIONS:SHOWPLACE SQ.	10/10/96
49ERS VS DALLAS	11/10/96	11/10/96		CANDLESTICK (1 PM)	
THANKSGIVING COMMUNITY CE	11/16/96	11/16/96		JONES: EDDY TO TURK	9/12/96
49ERS VS BALTIMORE	11/17/96	11/17/96		CANDLESTICK (1 PM)	
RUN TO THE FAR SIDE	12/1/96	12/1/96	ATHLET	OAK&FELL:STANYAN TO BRODERICK ET	12/14/95
HAMLIN SCHOOL HOLIDAY FAIR	12/7/96	12/7/96		BROADWAY:BUC TO WEB	7/11/96
49ERS VS CAROLINA	12/8/96	12/8/96		CANDLESTICK (1 PM)	
UPS CUSTOMER PARKING FOR	12/9/96	12/24/96		SAN BRUNO: 16TH AND 17TH STS.	10/24/97
MIS. NEIGHBORHOOD HEALTH	12/14/96	12/14/96		SHOTWELL:16TH TO 17TH STS	
TOY GIVEAWAY	12/14/96	12/14/96		JONES: EDDY TO TURK	
JINGLE BELL RUN FOR ARTHRI	12/15/96	12/15/96	ATHLET	VARIOUS LOCATIONS	
49ERS VS DETROIT	12/23/96	12/23/96		CANDLESTICK (6 PM)	
SAN FRANCISCO NEW YEAR'S	12/29/96	1/2/97		MKT:STU TO SPR;SPR&STU:MKT TO MIS	10/24/97
SAN FRANCISCO NEW YEAR'S	12/30/96	1/2/97		S/B EMBARCADERO: WAS TO MIS	10/24/97
SF HALF MARATHON	1/26/97	1/26/97	ATHLET	FELL&OAK: STANYAN TO BAKER	10/24/96
21ST ST MURAL PROJECT	1/31/97	1/31/97		21ST ST: CAPP TO MISSION	
FLOWER STREET FAIR	1/31/97	2/2/97	FAIR	GRA:JAC TO BWD; PAC:STO TO COL	6/27/96
COMMUNITY STREET FAIR	2/21/97	2/23/96	FAIR	GRA:JAC-BWD;PAC:STO-COL;JAC:STO-G	6/27/96
HOULIHAN'S TO HOULIHAN'S	3/23/97	3/23/97	ATHLET	MARINA BLVD:BUC TO BAKER (1 LANE O	10/24/96
GREAT SKATES ESCAPE	4/26/97	4/26/97		GREAT HWY: FULTON TO SLOAT	
BLACK & WHITE BALL	5/10/97	5/10/97		VARIOUS LOCATIONS:S/B EMBARCADER	
CALIFORNIA MILLE	5/19/97	5/20/97		MASON:CALIFORNIA TO SACRAMENTO	10/24/96
GREAT BIKE ESCAPE	6/14/97	6/14/97		GREAT HWY: FULTON TO SLOAT	
PERRY'S TO PERRY'S 10 K RUN	6/22/97	6/22/97	ATHLET	VARIOUS LOCATIONS: FINANCIAL DIST.	10/24/96
ALCATRAZ TRIATHLON XVII	6/28/97	6/28/97		VARIOUS LOCATIONS:GREAT HWY;MARI	
SF LESBIAN GAY CELEBRATION	6/28/97	6/29/97			
SF LESBIAN GAY PARADE	6/29/97	6/29/97		MARKET ST.	
SF MARATHON	7/13/97	7/13/97	ATHLET	VARIOUS LOCATIONS	10/24/96
SF HILLSTRIDE WALK	9/21/97	9/21/97	ATHLET	HYDE:LOM TO JEF (S/B CURB LANE ONLY	10/24/96
RUN TO THE FARSIDE	11/30/97	11/30/97	ATHLET	OAK & FELL: STANYAN TO BRODERICK	

'8

Department of Public Works **Bureau of Street-Use & Mapping**

UNDERGROUND PLANNING MEETING

MEETING DATE: October 1, 1996

PRESENT:

Tom Trimbur	-	DPW/BSM	(554-6167)
Peter Albert		DCP	(558-6310)
John Fadeff	-	DPW/BSM	(554-5830)
Terry Bouey	-	VIACOM	(863-8500)
Ken Flinn	-	PG&E	(695-3394)
Patricia Healy	-	PG&E	
Dave Ohlssen	-	PacBell	(542-9095)
Don Stroh	-	Dolores Hts. Improv. Club	(826-8296)
David Evers	-	Dolores Hts. Improv. Club	(285-4610)

DISCUSSION:

A. PROJECT STATUS

1. UGD 318 - DOLORES HEIGHTS ASSESSMENT DISTRICT

PHASE 1 - Lowrie Paving progressing with work. Scheduled completion date for substructure work 20th December.

Mr. Trimbur indicated that the City will send another letter to property owners who have not completed conversion work outlining owner responsibilities with updated list.

City to set up meeting with MUNI to finalize proposal for telephone switching box at 22nd and Church.

PHASE 2 - PG&E proceeding with preliminary design approximately - 25% complete. PacBell has not begun design (see Other Business).

2. UGD 310 - PRESIDIO HEIGHTS

PHASE 1 - Public Works hearing held on 4 September for additional 14 properties not yet converted. A number of these properties have begun converting.

Field meeting held on Monday for Jackson Street non-convert. Will proceed with abatement.

PHASE 2 - TCI to deliver preliminary design to PG&E next week. Composites should be available in two months (see Other Business).

3. UGD 319 - HARRISON STREET BETWEEN 10TH & 11TH

Mr. Trimbur has second letter for abatement process in works.

4. UGD 320 - BREWSTER/JOY

Mr. Flinn reported that PG&E permit had been broken out into two, with the area with pad mounted transformers in the right-of-way broken out. Mr. Flinn also requested a response to the Form B. Mr. Flinn requested a timely response since the work has already begun.

5. UGD 321 - INDIANA STREET/ISLAIS CREEK

Mr. Trimbur indicated that the work was progressing on the box sewer and that the undergrounding work would need to be accomplished in the early spring. Mr. Flinn indicated that he saw no problem with that general time frame and that the estimator for the work, Amy Hwa (695-3460), should be contacted directly.

B. OTHER BUSINESS

1. Mr. Flinn introduced Patty Healy who will be taking over the undergrounding program for PG&E. Ms. Healy will begin on October 14.
2. Mr. Trimbur transmitted legislation for Cesar Chavez, Duboce/Church, Gough/Green, and Inner Sunset to Board..
3. A walk-through of the Banks/Chapman area was scheduled for Wednesday, 16 September at 10:00 am. Meeting place at the Rosenkranz steps (at Bernal Heights Blvd.).

THE NEXT MEETING WILL BE HELD ON TUESDAY, 5 NOVEMBER, AT 9:00 A.M. AT 875 STEVENSON STREET, FOURTH FLOOR, BSM CONFERENCE ROOM.

cc: All Attendees
CULCOP - thru Joe Norris
Ray Gigliati - BSM
Hin Lok Kung - BOE
Jack Donohoe - DET
Charles Germer - PG&E
Manfred Wong - PMD
David Assadurian - PacBell
Chris Southard - PG&E
Peter Albert - DCP
Amy Powell - DHIC
Nelson Ogimoto - BOE/EE
Lynn Nakasato - BOE/S&H
Carlos DeAnda - PG&E
Denise Brady - BSM
Cynthia Chono - BSM
Ray Yamagishi - BLHP
Larry Fitzgerald - MUNI
Sam Lauter - PG&E
Carol Finucane - BOE
Lynn Bunim - PacTel
Brian Gatter - BOE/Landscape
Leo Ladner - PacBell
Chris Baker - PG&E
Charles Yu - BOE/S&H
Carlos DeAnda - PG&E
Joe Morino - DHIC
Norman Chan - BOE
Tom Flahavan - DET
Mike Callow - VIACOM
Dee Lemmon - BLHP
Joe Ovadia - PMD
Naoki Kaku - BOE
Ken Flinn - PG&E
Don Murray - PG&E
Brian Christiansen - Duboce Triangle Neigh
John Katz - MUNI
Lesley Wong - BOE/S&H

'80

City and County of San Francisco

Department of Public Works
OFFICE OF CAPITAL RESOURCE MANAGEMENT

UTILITY COORDINATION REPORT

for October 1, 1996 to October 31, 1996

Notice of Intent and Request for Information Issued:	**Date**
1294N - Fourth Street Bridge Fender Repair Project	10/09/96
1322N - Cabrillo Street, 9th and 16th Avenues Pavement Renovation	10/04/96
1384N - Glover Street Sewer Replacement Leavenworth Street to Jones Street	10/25/96
7381E - Hunter's Point Naval Shipyard Infrastructure Backbone Phase I	10/25/96
7474E - Pine/California/Delancey Streets Sewer Replacement	10/01/96

Final Preliminary Plans Issued:	
1281N - Various Locations Hunter's Point District Pavement Renovation	10/10/96

State of California:

Other:

1680 Mission Street, San Francisco, CA 94103 (415) 554-8232 / FAX (415) 554-8243

PROJECTS IN PROGRESS (NOI)

Revised 11/4/96

PRJ #	Project Coordinator	PH #	Project Title	Due Date
-----N	Gene Handa	554-8341	Sunnydale Sewer Improvements	07/03/96 - N
-----N	Eric Kjelserg	554-8277	Fisherman's Wharf Triangle & Plaza Improvements	08/14/95 - N
1004N	Rufino De Leon	554-8945	Evans Avenue at Post Office: Street Regrading (PR)	09/06/94 - N
1036N	Lesley Wong	554-8252	Fourth Street (PR)	08/10/95 - N
1083N	Rufino de Leon	554-8245	Lyon Street and Presidio Avenue (PR)	11/03/95 - N
1091N	Ed Choy	554-8284	Various Locations South of Market Removal & Pavement Renovation	07/21/96 - N
1100N	Martha Ketterer	554-8296	Ecker Street, Mission Street to Elim Alley	01/08/96 - N
1109K	Thing Nguyen	558-4554	Underground Storage Tank Replacements, Various Locations	09/27/96 - N
1109N	Lynn Nakasato	554-8269	Cesar Chavez (Army) Street Widening	07/03/96 - N
1133N	Ramon Kong	554-8256	Fulton Street Roadway Widening	09/05/95 - N
1138N	Iqbal Dhapa	554-8337	Fairmont and Randall Streets (SR)	07/24/95 - N
1148N	Bhula Patel	554-8324	Moulton from Webster to Buchannan Streets (SR)	09/25/95 - N
1155N	Birgit Chase	554-8336	Chestnut Street - Pacific Avenue (SR)	09/28/95 - N
1168N	Johnny Villasica	554-8338	Florida Street (SR)	10/11/95 - N
1188N	Bhula Patel	554-8324	Grant Avenue - Chestnut Street (SR)	10/30/95 - N
1198N	Rufino De Leon	554-8245	Various Locations Concrete Reconstruction #12	05/16/96 - N
1202N	Linda Leong	648-6882	North Point Plant Improvement, Phase II	01/30/96 - N
1210W	Peter Cheng	554-8348	Westside Activation: Sewer Construction	11/13/93 - N
1218N	Cliff Wong	554-8339	Market , Larking and Harrison Streets (SR)	03/29/96 - N
1239W	Wallis Lee	554-8344	Rankin Pump Station SWEPCP 1 & 1A	08/31/93 - N
1243E	Ronald Cheng	558-4049	Marina Sewall and Roadway Improvement	04/12/96 - N
1253N	Iqbal Dhapa	554-8337	Twelfth Street (SR)	04/07/96 - N
1272N	Steve Bui	554-8298	Illinois-Cesar Chavez (Army) Streets Sewer Construction	05/10/96 - N
1294n	Leon Louie	5584070	Fourth Street Bridge Fender Repair Project	**12/18/96 - N**
1322N	Lesley Wong	5548252	Cabrillo Street, 9th and 16th Avenues Pavement Renovation	**11/04/96 - N**
1384N	Tom Won	5548275	Glover Street Sewer Replacement Leavenworth St. to Jones St.	**11/25/96 - N**
3180W	Steve Bui	554-8298	Yosemite - Egbert Sewer Enlargements Project	02/28/96 - N
6094Q(3)	Deanna Calleros	554-8266	Mid Embarcadero Project	08/21/96 - N
6094Q(4)	Deanna Calleros	554-8266	Mid Embarcadero Project	09/20/96 - N
6497E	Edward Chin	554-8411	The New Chinatown Park (Sidewalk Reconstruction)	08/15/94 - N
7034E(A)	Laurie Lau	558-4530	Fillmore Street Overcrossing at Geary Expressway Seismic Retrofit	12/08/95 - N
7034E(B)	Laurie Lau	558-4530	Webster Street Pedestrian Overcrossing at Geary Expressway Seismic Ret	12/08/95 - N
7034E(C)	Laurie Lau	558-4530	Seismic Retrofit of Market Viaduct at 24th Street	04/01/96 - N
7034E(D)	Chris Nocon	558-4054	Steiner Street Pedestrian Overcrossing at Geary Expressway Seismic Retr	07/20/96 - N
7090E	Andrew Shum	431-9430	Various Locations Motorized Valves Contract #2	03/09/95 - N
7094E	Edward Chin	554-8411	Hang Ah Alley Renovation	02/24/95 - N
7130E(A)	Laurie Lau	558-4530	Portola Drive Pedestrian Overcrossing at Kensington Way Seismic Retrofi	12/08/95 - N
7130E(B)	Chris Nocon	558-4054	Ingerson Avenue Viaduct Seismic Retrofit	07/20/96 - N
7179E	Pak Choi	554-8283	Richmond Transport	07/21/96 - N
7223E	Ramon Kong	558-4055	Oakdale Avenue Bridge Replacement	11/24/95 - N
7226E	Mr. Ron Fong	554-8273	Various Locations Construction of Curb Ramps/Cuts	09/16/94 - N
7226E(Ne	James Walsh	558-8272	Various Locations, Curb Ramps STP#8	**11/30/96 - N**
7233E	Ms. Su-Syin Chou	554-8350	Market Street Sidehill Viaduct #3 Seismic Retrofit	06/28/93 - N
7243E	Saed Toloni	554-8325	Pemberton Stair Reconstruction	07/23/93 - N
7261E	Naoki Kaku	554-8946	Various Locations in the Sunset District Pavement Renovation	10/17/93 - N
7271E	Greg S. Cruz	554-8268	Various Locations: Haight-Ashbury &Mission District Pavement Renovat	05/07/94 - N
7284E	Ramon Kong	554-8256	Lombard Street, Montclair Terr Street Improvement	03/07/94 - N
7291E	Rufino De Leon	554-8245	Ocean, San Jose Avenue, Junipero Serra Blvd Pavement Reconstruction	07/23/93 - N
7294E	Clifford Wong	554-8325	Kirkham Street & 23rd Avenue Phase 2 (SR)	06/28/93 - N
7381E	Fernando Cisneros	5548278	Hunter's Point Naval Shipyard Infrastructure Backbone Phase I	**11/25/96 - N**
7437E	Deanna Calleros	554-8266	Howard, Folsom & Hawthorne Streets (SR)	01/30/95 - N
7455E(Ne	Narciso Paderanga	554-8258	Florida, Indiana, Wisconsin and 19th Streets Pavement Renovation (side	07/27/96 - N
7458E	Greg S. Cruz	554-8268	Clay Street, Gough to Drumm Streets Pavement Renovation	05/25/94 - N
7474E	Christine Tang	5538331	Pine/California/Delancey Streets Sewer Replacement	10/28/96 - N
7519E	Steve Bui	554-8298	Golden Gate Park Bond Projects	03/10/95 - N

PROJECTS IN PROGRESS (NOI)

Revised 11/4/96

PRJ #	ATT	DPT	Env. Eng.	SPRINT	BLHP/H HWP	Hyd.	MCI	Mech.	MFS	MUNI	Pac Bell
[illegible]N	7/11/96	7/16/96			6/17/96		7/14/96	6/18/96	6/25/96	7/16/96	7/1/96
[illegible]N	9/20/95	9/3/95		8/28/95			9/20/95		8/31/95	8/31/95	9/12/95
1004N	8/16/94	8/15/94		8/22/94	8/16/94	8/10/94	8/15/94	8/9/94	8/23/94	8/8/94	8/12/94
1036N	9/20/95	8/14/95		7/24/95		8/9/95	9/8/95	7/12/95	8/31/95	7/13/95	7/24/95
1083N	11/14/95	10/30/95		10/20/95	11/6/95	10/12/95		10/10/95		10/12/95	10/13/95
1091N	7/11/96	7/24/96	7/3/96	7/8/96		7/10/96		7/2/96	6/27/96	8/5/96	7/22/96
1100N		12/18/95		12/14/95	5/14/96		2/16/96	12/11/95	12/21/95	12/11/95	12/28/95
1109K	9/25/96			9/17/96		9/17/96			9/25/96		9/20/96
1109N			6/7/96	7/8/96		8/10/95		6/11/96		7/1/96	
1133N	9/20/95	8/9/95		8/15/95			9/20/95	8/14/95	8/31/95	8/10/95	8/22/95
1138N	1/3/96			11/28/95			2/7/96	11/17/95	12/21/95	11/15/95	
1148N	9/20/95	9/27/95		9/20/95				9/1/95	8/31/95	9/1/95	9/1/95
1155N	9/20/95	9/19/95		10/10/95	9/7/95			9/1/95	8/31/95	9/1/95	9/12/95
1168N				10/10/95	9/12/95			9/19/95	9/29/95		10/3/95
1188N	11/14/95	10/5/95		10/16/95			2/7/96	10/5/95	12/21/95	10/5/95	10/24/95
1198N	5/1/96		4/24/96	4/24/96		5/20/96		4/18/96		5/13/96	4/23/96
1202N				1/31/96	1/29/96	1/16/96				1/18/96	2/2/96
1210W		10/22/93		11/9/93	10/20/93		11/1/93	10/20/93		10/18/93	
1218N	3/22/96	3/20/96	3/1/96	3/12/96				3/14/96		3/14/96	3/18/96
1239W	8/23/93	3/30/94		8/27/93	8/24/93		8/27/93			8/20/93	9/14/93
1243E	3/29/96		3/25/96	3/27/96		3/19/96	4/23/96	3/27/96		4/15/96	3/25/96
1253N	3/22/96		3/14/96	3/19/96				3/27/96		3/14/96	3/18/96
1272N	5/1/96	4/22/96	4/23/96	5/1/96	8/3/96		4/23/96	4/19/96			4/23/96
1294n	10/25/96	10/18/96				10/9/96		10/24/96			10/28/96
1322N	10/25/96	10/18/96		10/16/96		10/17/96		10/9/96	10/23/96		10/21/96
[illegible]4N											
[illegible]0W	2/6/96				2/27/96			2/21/96		1/29/96	2/26/96
6094Q(3)			8/21/96	8/13/96	8/20/96	8/7/96		8/16/96			8/19/96
6094Q(4)										8/29/96	
6497E	7/26/94	8/2/94		7/21/94			8/1/94	8/1/94	7/21/94	7/27/94	7/26/94
7034E(A)	1/3/96			11/17/95	12/6/95		2/15/96	11/20/95	12/21/95	11/15/95	11/16/95
7034E(B)	1/3/96			11/17/95	12/6/95		2/16/96	11/20/95	12/21/95	11/17/95	11/16/95
7034E(C)				3/18/96		3/6/96	4/23/96	3/11/96		3/14/96	3/18/96
7034E(D)	7/11/96		7/3/96	7/8/96		7/16/96	7/11/96	7/2/96	6/27/96		7/10/96
7090E	3/2/95	3/21/95		2/23/95		2/16/95			2/17/95	2/21/95	3/2/95
7094E	3/6/95	3/17/95		3/15/95		3/1/95	3/13/94	3/1/95	5/3/95	3/3/95	3/9/95
7130E(A)	1/3/96			11/17/95	12/6/95		2/1/96	11/20/95	12/21/95	11/17/95	11/20/95
7130E(B)	7/11/96		7/3/96	7/8/96		7/16/96		7/2/96	6/27/96		7/2/96
7179E	7/11/96	7/22/96	7/3/96	7/8/96		7/10/96		7/2/96	6/27/96	8/5/96	7/22/96
7223E	11/28/95			11/16/95			2/1/96	11/13/95	12/21/95	11/3/95	
7226E	7/14/94	8/1/94		7/18/94	9/20/94	7/27/94	7/25/94		7/21/94	7/11/94	8/12/94
7226E(Ne											8/27/96
7233E				6/7/93	6/10/93	6/10/93	8/5/93	6/1/93		6/1/93	
7243E				6/30/93	7/22/93		7/6/93			6/28/93	
7261E				9/28/93			10/15/93	9/22/93		9/23/93	
7271E	4/22/94			4/15/94	5/3/94	4/13/94	5/3/94	4/8/94		4/29/94	5/4/94
7284E		2/24/94				2/9/94	3/8/94	2/9/94			6/17/94
7291E				6/30/93	8/9/93		7/6/93	7/12/93		6/28/93	
7294E				6/7/93	6/10/93		6/4/93	6/16/93		6/15/93	
[illegible]1E											
[illegible]E	1/23/95	1/25/95		1/12/95		1/9/95	2/21/95	1/3/95		1/5/95	1/23/95
7455E(Ne	8/22/96		8/22/96	8/22/96	8/27/96	8/23/96	8/22/96	9/20/96		8/29/96	
7458E	5/16/94			5/3/94	5/3/94		5/27/94	4/27/94		4/29/94	5/26/94
7474E	10/25/96	10/10/96		10/16/96							10/10/96
7519E	2/28/95			3/1/95			2/27/95	2/22/95		2/27/95	3/16/95

PROJECTS IN PROGRESS (NOI)

Revised 11/4/96

PRJ #	PGE-G	PGE-E	Project Develop.	SFWD	SF Thermal	Struc.	TCG	TCI
-----N			6/21/96	7/1/96	6/26/96	6/25/96	7/3/96	7/1/96
-----N			8/14/95		8/17/95	8/18/95	8/23/95	9/8/95
1004N			9/16/94		8/29/94	8/5/94	8/22/94	8/26/94
1036N			7/20/95		7/25/95	7/31/95	7/17/95	7/24/95
1083N			10/10/96		10/10/95	10/5/95	10/12/95	11/2/95
1091N			7/26/96		6/28/96	6/27/96	7/3/96	7/3/96
1100N			12/8/95	1/3/96	12/20/95	12/18/95	12/27/95	12/20/95
1109K			10/24/96	9/12/96	9/13/96	9/12/96	9/25/96	
1109N					6/10/96		6/18/96	6/11/96
1133N			8/2/95		8/11/95	8/9/95	8/14/95	9/1/95
1138N			11/15/95		11/20/95	11/16/95	12/27/95	
1148N			9/12/95		9/1/95	9/1/95		9/8/95
1155N			8/29/95		9/5/95	9/1/95		9/8/95
1168N			9/26/95	9/19/95	9/15/95		9/19/95	10/6/95
1188N			10/10/95	10/11/95	10/10/95	10/3/95	10/5/95	11/1/95
1198N			4/18/96		5/6/96	4/18/96	5/28/96	5/2/96
1202N			1/18/96	1/19/96	1/16/96	1/17/96		2/6/96
1210W			6/24/96	10/20/93				
1218N			3/18/96			3/5/96	3/27/96	3/7/96
1239W				9/14/93				9/10/93
1243E			4/2/96		3/25/96	3/22/96	3/27/96	3/21/96
1253N			4/8/96	3/12/96	3/25/96	3/11/96	3/27/96	3/22/96
1272N			4/18/96	4/18/96	4/17/96	4/17/96	5/28/96	4/23/96
1294n				10/25/96	10/25/96			10/24/96
1322N					10/15/96	10/16/96		10/24/96
1384N								
3180W			3/7/96	1/31/96	1/26/96	2/22/96	3/27/96	3/11/96
6094Q(3)					8/7/96		8/28/96	8/15/96
6094Q(4)								
6497E			8/11/94	8/1/94	7/18/94			
7034E(A)			11/14/95			11/16/95	12/27/95	11/20/95
7034E(B)			11/14/95			11/16/95	12/15/95	11/17/95
7034E(C)			3/25/96	3/11/96		3/6/96	3/27/96	3/20/96
7034E(D)			6/25/96	7/8/96	6/26/96		7/3/96	7/1/96
7090E			2/13/95		2/23/95	2/13/95	3/8/95	3/7/95
7094E					3/6/95	2/28/95	3/8/95	3/2/95
7130E(A)			11/22/95			11/16/95	12/15/95	11/20/95
7130E(B)			6/25/96	7/8/96	6/24/96		7/3/96	7/1/96
7179E			7/5/96		6/28/96	6/27/96	7/3/96	7/1/96
7223E			11/2/95			10/30/95	10/31/95	11/9/95
7226E			7/11/94		9/20/94	9/29/94	7/27/94	
7226E(Ne								
7233E			6/9/94					
7243E				8/3/93				9/10/93
7261E			10/15/93					10/20/93
7271E			4/11/94		4/25/94		4/25/94	5/10/94
7284E								3/31/94
7291E								
7294E				6/3/93				
7381E								
7437E			1/12/95			1/4/95	3/8/95	2/2/95
7455E(Ne			9/3/96		8/22/96		8/26/96	
7458E			5/4/94		5/16/94			5/10/94
7474E			10/23/96	10/9/96				10/10/96
7519E			2/28/95	2/27/95	2/22/95	2/23/95	3/8/95	3/7/95

Legend:

(FC) - FLOOD CONTROL

(PR) - PAVEMENT RENOVATION

(SR) - SEWER REPLACEMENT

(N or NOI) - LETTER OF NOTICE OF INTENT

PROJECTS IN PROGRESS (LOT)

REVISED 11/4/96

PRJ#	Project Coordinator	PH #	Project Title	Due Date	ATT	DPT	Env. Eng.	SPRINT	BLHP/ HHWP
1022N	Lesley Wong	554-8252	Haight and Page Streets Pavement renovation	04/28/95 - T				4/4/95	
1057N	Naoki Kaku	554-8246	Various locations Buena Vista district Pavement Renovation	06/29/96 - T	7/11/96		6/18/96		
1151N	Pak Choi	554-8283	Chinatown Lighting Improvements, Phase III	11/27/95 - T	11/14/95	11/16/95		11/16/95	
1184N	Pak Choi	554-8283	Various locations Concrete Street Reconstruction #10	09/06/96 - T	8/12/96			8/13/96	
1185N	Ken Chu	554-8271	Various Locations Conctete Street Reconstruction #11	06/20/96 - T	5/29/96			5/29/96	
1195N	Gyee Yang	558-4553	Market and Steuart Streets, AWSS Relocation	07/20/96 - T			7/8/96	7/19/96	
1203N	Birgit Chase	554-8336	Lyon/Baker/Washington Streets (SR)	02/12/96 - T				2/12/96	
1209N	Peter Cheng	554-8348	Larking Street/Greenwich Street (SR)	06/20/96 - T	5/29/96			5/29/96	
1219N	Peter Cheng	554-8348	Buchanan, Steiner and Pierce Streets Sewer Replacement	10/04/96 - T				9/13/96	
1221N	Bhula Patel	554-8324	Lyon, Sacramento and Post Streets Sewer Replacement	04/04/96 - T			3/7/96	3/18/96	
1252N	Peter Cheng	554-8348	Shotwell Street (SR & PR)	09/23/96 - T	9/4/96			9/4/96	
1255N	Bhula Patel	554-8324	San Jose Avenue (SR)	08/09/96 - T		7/15/96		7/22/96	8/9/96
1256N	Birgit Chase	554-8336	21st/22nd/23rd Streets (SR)	09/27/96 - T				9/13/96	
1281N	Rufino De Leon	554-8245	Various Locations Hunters Point district Pavement Renovation	10/31/96 - T	10/17/96		10/17/96		
1293N	Rufino de Leon	5548245	Galvez Avenue and Third Street Pavement Regrading	07/20/96 - T			7/3/96	7/8/96	

Legend:

(FC) - FLOOD CONTROL

(SR) - SEWER REPLACEMENT

(PR) - PAVEMENT RENOVATION

(T or LOT) - LETTER OF TRANSMITTAL OF FINAL PRELIMINARY PLANS

REVISED 11/4/96

PROJECTS IN PROGRESS (LOT)

PRJ#	Hydraulic	MCI	Mech.	MFS	MUNI	Pac Bell	PGE-G	PGE-E	Proj. Dev.	SF Thermal	Structural	TCG	TCI
1022N	4/4/95	4/28/95	3/30/95	5/3/95	4/4/95	4/4/95	4/28/95	4/28/95	4/28/95	4/5/95	4/6/95		4/12/95
1057N	6/11/96	7/8/96	6/4/96					7/15/96	7/23/96	6/10/96		6/18/96	6/11/96
1151N			11/13/95	12/21/95	11/3/95				10/30/95		10/30/95	10/31/95	11/9/95
1184N	8/13/96		8/16/96		9/9/96	8/19/96			8/21/96	8/15/96		8/28/96	9/9/96
1185N	5/21/96	7/8/96	6/4/96		6/7/96				6/18/96	5/29/96		6/18/96	5/30/96
1195N					8/2/96				7/23/96	7/17/96		7/30/96	7/15/96
1203N		3/5/96	1/31/96			2/26/96	3/28/96			2/2/96		3/27/96	2/28/96
1209N		7/5/96	6/4/96						6/18/96	5/29/96	5/24/96	6/18/96	5/30/96
1219N			9/12/96	9/25/96					9/9/96	9/13/96	9/9/96	9/25/96	9/18/96
1221N		4/23/96	3/11/96		3/14/96	3/22/96	4/30/96	4/30/96	3/25/96	3/7/96	3/6/96	3/27/96	3/22/96
1252N				9/25/96	8/30/96				8/26/96	9/4/96		9/25/96	9/9/96
1255N		8/8/96	7/22/96		7/31/96	7/30/96	8/8/96		7/22/96	7/17/96		7/31/96	
1256N			9/12/96	9/25/96		10/7/96			9/6/96	9/13/96	9/9/96	9/25/96	9/18/96
1281N			10/24/96										10/24/96
1293N	7/16/96	7/11/96	7/2/96						6/25/96	6/26/96		7/3/96	7/1/96

SF
985.93
#2
11/14/96

DPW

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

DOCUMENTS DEPT.
DEC 10 1996
SAN FRANCISCO PUBLIC LIBRARY

MINUTES OF MEETING NO. 381
November 14, 1996

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Dave Moore	558-4566

Office of Capital Resources Management

Amy Chow	554-8249
Berhane Gaime	554-8260
Marivic Huff	557-4740
Joe Norris	554-8274
Carmen Talavera	554-8261
James Walsh	554-8272
George White	557-4740

Bureau of Street and Sewer Repair

Niles McDonald	695-6673

Bureau of Street Use Management

Cynthia Chono	554-6196

Bureau of Construction Management

☛ **(Representative not present)**

DPW Public Affairs

Anna Wong	554-6928

Bureau of Architecture

Paul Travis	557-4631

Department of Parking and Traffic

☛ **(Representative not present)**

MUNI Engineering

Ernesto Evangelista	554-1881
Tad Jadkowski	522-5789
Charles Kascal	544-1803

San Francisco Port Authority

☛ **(Representative not present)**

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department

City Distribution Division

Joe Pelayo	550-4916

Caltrans

Karen Ashe	557-7052
Dean Drablos	330-6537
Tom Franklin	510-286-4424

Pacific Bell

David Ohlssen	542-9095
Gil Sams	542-7428

Pacific Gas & Electric

Gilbert Munoz	695-3550

SF Thermal

☛ **(Representative not present)**

TCI

David Walunas	863-8500

Navigation Technologies

☛ **(Representative not present)**

Jefferson Company

Hilaire Dufresne	673-3011
Ocie Williams	673-3011

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 381
November 14, 1996

The October 10. 1996 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Ms. Ashe reported that the Alemany Circle Contract has been awarded and construction begins in December: The location of gas. electric. and water lines need to be verified and resolved before construction work can begin. The City's paving project is outside the Caltrans project area but could have a mutual traffic impact. Mr. Drablos is working with Ed Choy and the BCM inspector to coordinate.

At China Basin. the traffic signal box did not require relocation.

At 7th St between 16th St and Irwin St, the electrical conduit location was resolved but not the telephone.

For the Central Freeway project. the last of the street closures ended Tuesday. November 12. 1996. Fell and Oak Streets are the remaining areas experiencing traffic impact. Pac Bell is almost done with work on Brannan St near Dore.

The traffic and parking difficulties surrounding the Central Freeway retrofit appear to be clearing up. The project should be finished by Thanksgiving. Ms. Chono noted the modification of the viaduct columns may affect City curb alignments. in some cases requiring legislation. For example. Alameda Street lost a third of its width and has problems with drainage. These modifications should have been addressed in the planning phase. prior to construction. Caltrans should review its procedures for modification of streets and sidewalks.

For the Bayshore Viaduct retrofit. Ms. Ashe will conduct a walk-through with PG&E.

Work on the Bay Bridge approach. from Spear to the 80/101 junction. will begin in six to nine months. with four contracts.

Mr. Franklin announced that Caltrans now has a home page open. with some parts still being developed. Eventually it will be possible to do permits via the Internet. He also distributed a listing of streets where the City has an annual permit to do maintenance. See Attachment A.

Mr. White noted that traffic seems to be heavier on the limited access highways leading to Marin. Mr. Franklin will look into this.

Sewer Management System Mr. Walsh is revising the Sewer 5 Year Plan report format to include a new "Accelerated" category for sewers near collapse that require prompt replacement. Utility notifications will be made, but not the normal 120 day notice because of limited time.

Curb Ramp Standards Ms. Low reported that we are working on a policy for relocation of utilities to conform to Federal and State requirements. The Path of Travel policy is still under discussion, although members should note that the Federal ADA standards apply whether or not the City clarifies its reading of them. Mr. White added that we will issue prioritization guidelines soon.

Mr. Munoz noted that PG&E is willing to consider having City contracts include relocating PG&E facilities in curb ramp locations in order to avoid duplicate work and delays. PG&E would train the City contractors' crews in the proper safety and other procedures and pay for the work. Mr. White asked Mr. Munoz to set up a meeting to discuss this idea.

Status Report Clearances Ms. Chow thanked members for the cooperation that allowed us to clear over 300 blocks this year and BSSR to pave over 130 blocks since April. She displayed examples of Stick Map plots of the Northeast Quadrant as well as GIS plots of Chinatown and the Mission district. These maps allow us to coordinate locations and schedules based on the information provided by CULCOP members. This fits in with the Mayor's high priority for district-wide coordination; the next area of interest will be the Castro neighborhood. Mr. White added that the Mayor has requested, via the Director, that we look into placing this information, in graphic and tabular form, on the Internet.

Ms. Chow noted that the streets in the Status Report are derived from the Pavement Management System, for which we are near to publishing a new priority listing and condition report. We are currently revisiting our prioritization criteria.

GIS Basemap Centerline Layer Ms. Huff displayed draft copies of the new GIS Centerline Map which will soon replace the Stick Map. The Centerline Map is now in the final stages of quality assurance and includes roadways not in the Stick Map, such as private roads, parks, GGNRA, and Hunters Point. It will be available in two formats, a one-sheet City-wide map and a book of 250 section maps. OCRM will distribute the map books for a fee to cover reproduction, and is developing a licensing agreement for electronic distribution. Members should find the electronic format useful for purposes such as the automated permit system that will be available from BSM.

Blue Book & Restricted Parking in Construction Zones Mr. Norris has developed a database table of the restricted parking zones. A map plot of this information will be available next meeting.

Chinatown Special Construction Zone Ms. Chono noted two new sewer projects, in Sacramento and Jackson Streets, which we will add to the Northeast Quadrant maps.

Some schedules have slipped a little, such as Hang Ah Alley. We need to issue regular updates to keep the community informed. Public Affairs wish to obtain accurate and timely information for them to distribute. See Attachment B for a copy of the current schedule.

Flowable Fill Ms. Chono observed that the issue seems to be between excavators, who appreciate its advantages, and facility owners, who are troubled by its disadvantages, especially cost and quality control. Both are members of CULCOP, so this seems to be the appropriate place to discuss it. Mr. White proposed that each agency clairify its own views and then meet here to explore issues like how and where it is best used, suitable specifications, effectiveness, and costs as compared to alternatives. The meeting might best be scheduled after the holidays; contact Mr. Norris at 554-8274 if interested.

Draft Legislation for Street Excavation The draft is still with the City Attorney; Mr. Troyan will make his presentation when it has been returned.

Mailing Label Update A copy of the current list is in Attachment C. Please update it as appropriate and return it to Mr. Norris.

Administrative Code The executive session will meet in mid to late January, using our annual report as part of its agenda. A copy of the Administrative Code section is attached to these minutes. Please contact Mr. White at 557-4740 with recommendations for topics and for who should be present as Mr. Primeau's counterpart in your agency.

NEW BUSINESS

Northeast Quadrant Mr. Moscovich will make his presentation at the next meeting. The maps on display at this meeting were developed for his study.

911 Emergency Com.munication Center Mr. Travis displayed plans for the site and new building. The project is now out to bid, and construction will start in March for a 20 month duration. Redundant utility services will be installed so the center can function in a major disaster. Mr. White asked Mr. Travis to provide a fact sheet for inclusion in the minutes, and we will provide Mr. Travis with information on known utility project plans in the area. Copies of the fact sheet will be distributed when we receive it.

F Line Extension Mr. Evangelista displayed the layout for the track construction, which will proceed counterclockwise through the loop beginning at The Embarcadero at Jones St. Location of the tracks will require extensive utility work, including new water mains in Beach and Jefferson, new sewer mains and side sewer connections, new and relocated street trees, and AWSS encasements. Bids were opened on November 15, with construction to begin in February for 760 calendar days with breaks for peak tourist seasons, weekends, and the like. Muni's PE for the project is the designated coordinator for other agencies' projects in the area. Contact Tad Jadkowski at 1145 Market Street, 6th Floor, 522-5789 (voice), 522-5781 (fax). Mr. White requested a fact sheet, including a map, for inclusion with these minutes, and an AutoCAD file to link with GIS (we hope to make this a standard procedure). See Attachment D.

Mr. Walunas discussed some concerns with 30th St Muni Lines. TCI cannot access its overhead lines past the Muni LRV and bus wires and the only way for TCI crane trucks to access the lines involves a 72 hour notice, which is impractical. Mr. Kascal said he would work with Mr. Walunas to resolve the problem.

The next meeting will be at 10:00 am Thursday. December 12, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

ATTACHMENT A

Caltrans Information

ENCROACHMENT PERMITS

Caltrans

ON THE CALIFORNIA STATE HIGHWAYS

The Encroachment Permits Branch is responsible for overseeing statewide policy and procedure of encroachment permit activities within the state highway system. These activities are nonvehicular in nature. Some of these activities are construction of highway improvements, utility work, commercial filming, and special events such as parades.

ENCROACHMENT PERMITS MANUAL

- Preface and Table of Contents
- Chapter 1
- Chapter 2
- Chapter 3
- Chapter 4
- Chapter 5
- Chapter 6
- Glossary (Chapter 7)
- Appendices
- Forms (Appendix D)
- List of location and contact telephone numbers.

CONVENTIONAL STATE HIGHWAYS

IN SAN FRANCISCO COUNTY

STATE HIGHWAY	STREET NAME	FROM	TO
1	19th Ave.	Junipero Serra	Lincoln Way
	Crossover Drive	Lincoln Way	Fulton St.
	Park Presidio Blvd.	Fulton St.	Lake St.
35	Skyline Blvd. (East side only)	John Muir Dr.	The Great Highway
	Skyline Blvd.	Great Highway	Sloat Blvd.
	Sloat Blvd.	Skyline Dr.	19th Ave.
82	San Jose St.	Gothe St.	Regent St.
101	Golden Gate Ave.	Franklin St.	Van Ness Ave.
	Turk St.	Gough St.	Van Ness Ave.
	Van Ness Ave.	Golden Gate St.	Lombard St.
480	Lombard St.	Van Ness Ave.	Richardson St.
	Richardson St.	Lombard St.	Francisco St.

All other State highways right of ways are access controlled environment and need separate permits.

ATTACHMENT C

CULCOP Mailing List

We have printed the mailing list in two versions for your convenience: one sorted by the person's name and one sorted by organization. The layout is otherwise identical for both and should be self-explanatory. The 'flg' column at the right margin shows two things: an 'M' for those who have requested the Minutes only, and an 'R' for those who have requested the whole Status Report package; and the number of copies for those who have requested more than one.

Please copy the listing for your organization and correct or update it as appropriate. including the 'flg' column. and return it to Joe Norris at Project Development Section. 1680 Mission St 3rd Floor. SF 94103. or fax it to 554-8243.

Office of Capital Resource Managment

CULOCOP MAILING LIST

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NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
		Dresser Areia	Construction Inc	4447 Stoneridge Dr	Ste 2	Pleasanton	CA 94588	510-485-1711		510-485-1715	R
		S F Redevelopment	Engineering Div	770 Golden Gate Ave	2nd Flr	San Francisco	CA 94102	749-2447		749-2565	M
		US SPRINT		P O Box 7501		San Mateo	CA 94403-7501				M
Almasi	M.	Public Utilities Comm	Utility Engineering	1145 Market St	6th Flr	San Francisco	CA 94103	554-3238		554-1837	M
Anderson	H.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8329		554-8308	R
Annuzzi	M.	Annuzzi Concrete		85 Elmira Street		San Francisco	CA 94124	468-2795		468-0303	M
Arias	O.	Department Public Works	Assistant to DPW Director	875 Stevenson St	4th Fl.	San Francisco	CA 94103	554-6922		554-6944	M
Ashe	K.	Caltrans	Resident Engineer	840 Brannan Street		San Francisco	CA 94103	557-7052		557-7776	R
Baker	C.	P G & E	Pipeline Replacement	2180 Harrison St		San Francisco	CA 94110	695-3337		695-3291	R
Baker	M.	Department Public Works	Urban Forestry	2323 Army St		San Francisco	CA 94124	695-2162		695-2175	R
Bavishi	K.	Public Utilities Comm	Utility Engineering	1145 Market St	6th Flr	San Francisco	CA 94103	554-1884		554-1837	R
Blue	R.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4926		550-4913	M
Boney	T.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3354	863-1659	M
Boyd	R.	Department Public Works	BOE Disability	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8215		554-8203	M
Broady	S.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2326		554-2352	R
Busher	J.	Department Public Works	Bureau Street Cleaning	2323 Army St		San Francisco	CA 94124	695-2141		695-2175	R
Callow	M.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-2292	863-1659	R
Casey	F.	Department Public Works	Street Use & Mapping	1660 Mission St.	1st Flr	San Francisco	CA 94103	554-5827		554-5843	R
Casey	M.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5851		554-6161	R
Chan	A.	S F Water Department	Distribution Engineering	1990 Newcomb	Rm 114	San Francisco	CA 94124	550-4931		550-4913	R
Chan	N.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8355		554-8308	R
Chia	J.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8200		554-8203	M
Choi	P.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8948		554-8243	R
Chono	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6196		554-6161	s R
Chow	A.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8249		554-8243	s R
Choy	E.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8948		554-8243	R
Collins	E.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4074		715-4097	R
Cruz	G.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8268		554-8243	R

S:\PD\Pavement\DB\Maillist.mdf Prepared by J Norris 554-8274

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Cunningham	R.	Department Public Works	BSSR Superintendent	2323 Army St		San Francisco	CA 94124	695-2090		695-2097	M
Curran	J.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6672		821-0572	2 R
Danich	M	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Davilla	D.	S F Water Department	Distribution Engineering	1990 Newcomb	Rm 114	San Francisco	CA 94124	550-4928		550-4913	R
De Leon	R	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8245		554-8243	R
Decker	J.	A T & T		2200 Jerrold Street		San Francisco	CA 94124	282-7825			M
Derouen	J.	Department of Electricity	Telecommunicati	901 Rankin St		San Francisco	CA 94124	550-2724		550-2728	M
Dhapa	I.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8337		554-8308	R
Donohoe	J.	Department of Electricity	Public Safety	901 Rankin St		San Francisco	CA 94124	550-2724		550-2728	M
Drablos	D.	Caltrans - Dist 4	Maintenance Permits	380 Foster City Blvd		Foster City	CA 94404	330-6537		330-6537	M
Elsner	N.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6199		554-6161	R
Escalona	M.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5814		554-6161	R
Evans	G.	S F Water Department	New Installations	425 Mason St	1st Flr	San Francisco	CA 94102	923-2521		923-2500	R
Ferreira	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6192		554-6161	R
Flewellen	S.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2526		923-2500	R
Franklin	T.	Caltrans		P. O. Box 23660		Oakland	CA 94623-0660	510-286-4424		510-286-4712	M
Freeman	D.	Sprint Communications		1850 Gateway Drive	5th Flr	San Mateo	CA 94404-2467				M
Fulcher	G.	Brighter Images		250 Lafayette Circle	Ste 100	Lafayette	CA 94549	510-283-3340		510-283-9637	M
Galli	P.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6672		821-0572	2 R
Gapulte	D.	S F Water Department	CDD Engineering	1990 Newcomb	Rm 112	San Francisco	CA 94124	550-4927		550-4913	R
Gigliati	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5874		554-6161	R
Gulbengay	H.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5860		554-6161	R
Hagerla	R.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3355	863-1659	M
Hansen	A.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5861		554-6161	R
Hintze	E.	Public Utilities Comm	Utilities Engr Bureau	1155 Market St	4th Fl	San Francisco	CA 94103	554-0707		554-1854	M
Hoerning	B.	ICG Access Serv		180 Grand Avenue	St 1000	Oakland	CA 94612	510-769-5737		510-769-5737	M
Hom	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5809		554-6161	R
Horn	R.	Department Public Works	Street Use & Mapping	1660 Mission St.	1st Flr	San Francisco	CA 94103			554-5843	R
How	K.	Department Public Works	BOE Asst Deputy Director	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8204		554-8203	M

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Huie	B.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2523		923-2500	R
Jacobs	J.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Jindal	R.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2330		554-2333	R
Johnson	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8275		554-8243	R
Judd	G.	San Francisco Thermal		460 Jessie Street		San Francisco	CA 94103	771-3415		771-3787	M
Kascal	C.	Public Utilities Comm	MUNI Overhead	1145 Market St	6th Flr	San Francisco	CA 94103	554-1803		554-1837	R
Kazemi	A.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6209		554-6161	R
Kelly	H.	Department Public Works	City Engineer	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4522		554-8203	M
Kimp	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5870		554-6161	R
Kung	H.	Department Public Works	BOE Electrical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4593		558-4053	M
Kuo Hoo	W.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5863		554-6161	R
Labberton	P.	P G & E	Gas Department	2180 Harrison St		San Francisco	CA 94110	695-3243		695-3525	M
Lameyse	V.	Public Utilities Comm	Hetch Hetchy Water	1401 Bryant St		San Francisco	CA 94103	695-7223			M
Law	PT	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8347		554-8308	R
Lee	C.	S F Water Department	UEB Construction	1990 Newcomb		San Francisco	CA 94124	550-4925		550-4913	R
Lemmon	D.	Public Utilities Comm	Bureau Light Heat Power	1155 Market St	4th Fl	San Francisco	CA 94103	554-0728		554-1854	M
Letunic	N.	Bicycle Advisory Comm		560 Noe Street		San Francisco	CA 94114				R
Lew	D.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2520		923-2500	R
Licari	R.	Metropolitan Fiber	Operations Support	444 Market Street	St 1350	San Francisco	CA 94111	362-3300			M
Loiacono	J.	Department Public Works	BOE Maintenance	750 Phelps St	#850	San Francisco	CA 94124	648-6882		550-9316	M
Lopez	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6201		554-6161	R
Lopipero	J.	P G & E	Gas Department	2180 Harrison St		San Francisco	CA 94110	695-3320		695-3291	6 R
Low	K.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	558-6059		554-6161	R
Low	S.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8273		554-8243	R
MacKay	W.	Teleport Communications		1 Bush Street	Ste 510	San Francisco	CA 94104	276-0070		276-0050	R
Madrid	B.	P G & E	Pipelines	2180 Harrison St		San Francisco	CA 94110	695-3492		695-3291	R
Main Library		Government Information	Agendas		5th Flr	San Francisco	CA 94102				2 M
Maiolini	S.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4552		558-4053	M
Mamak	A.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4045		558-4519	R

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
McDonald	N.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6673		821-0572	s R
McDowell	W	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4045		558-4519	R
Munakata	D.	Department Public Works	Bureau of Engineering	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4517		558-4519	R
Munoz	G.	P G & E	Service Planning	2180 Harrison St	2nd Flr	San Francisco	CA 94110	695-3550		695-3525	R
Murray	D	P G & E	Dir Capital Improvement	2180 Harrison St		San Francisco	CA 94110	695-3523		695-3290	R
Naizghi	E.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6198		554-6161	R
Nguyen	T.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4554		558-4053	M
Norris	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8274		554-8243	R
O'Sullivan	S.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8264		554-8243	R
Ohlssen	D.	Pacific Bell	Engineering	666 Folsom Street	Rm 1121	San Francisco	CA 94107	542-9095		957-5973	3 R
Olson	M.	Department Public Works	Bureau of Street Repair	2323 Army St		San Francisco	CA 94124	695-2086		695-2097	R
Onwokaro	E	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8320		554-8308	R
Ovadia	J.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4004		554-8203	R
Paderanga	N.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Pelayo	J.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4916		550-4913	R
Pickens	C.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Poblete	R.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4917		550-4913	R
Primeau	M.	Department Public Works	Director	875 Stevenson St	4th Fl.	San Francisco	CA 94103	554-6920		554-6944	M
Purvis	J.	Dept City Plann		1660 Mission St.		San Francisco	CA 94103	558-6354			R
Quan	H.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2319		554-2352	R
Quan	M.	Department Public Works	BOE Genl Engineering	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4516		558-4053	M
Quan	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6196		554-6161	R
Rand	M.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2300		554-2352	R
Roberts	K.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-		821-0572	R
Ronis	J.	S F Water Department	UEB Construction	1990 Newcomb		San Francisco	CA 94124	550-2976		550-4913	R
Sams	G.	Pacific Bell		610 Brannan Street		San Francisco	CA 94107	542-7428		545-9019	R
Santos	E.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3356	863-1659	M
Shelton	K.	Core Metro Construction		2330 Four Seasons Ct		San Jose	CA 95131				M
Shoaf	S.	Department Public Works	Deputy Dir Operations	2323 Army St		San Francisco	CA 94124	695-2100		695-2001	M

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Shop Manager		Dept Parking & Traffic	Traffic Sign Shop	1999 Bryant St		San Francisco	CA 94110	554-9780		431-714C	R
Skaff	R.	Department Public Works	BOE Disability	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8212		554-8203	M
Strans	P.	S F Municipal Railway	Planning Section	949 Presidio Avenue		San Francisco	CA 94115	923-6100			R
Swanstrom	R.	Department Public Works	Bureau Construction Mgt	1680 Mission St	4th Flr	San Francisco	CA 94103	554-8387		554-8218	M
Talavera	C.	Department Public Works	BOE Utility Liaison	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Tannen	P.	Dept Parking & Traffic	Bicycle Program	25 Van Ness Avenue		San Francisco	CA 94102	554-2396			R
Thomas	J.	CAO Office		401 Van Ness Ave	Rm 437	San Francisco	CA 94102	554-5786		554-4087	R
Trimbur	T.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6167		554-6161	R
Troyan	V.	Department Public Works	Deputy Dir Public Service	1660 Mission St.	6th Flr	San Francisco	CA 94103	558-6515		554-6161	M
Valdes	C.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102			554-8203	R
Van Dyke	S.	S F Fire Department		260 Golden Gate Ave	Rm 219	San Francisco	CA 94102	861-8000			M
Villanueva	A.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4544		558-4093	R
Vowell	C.	Pacific Bell		666 Folsom Street	Rm 1121	San Francisco	CA 94107	542-9095		957-5973	R
Walsh	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8272		554-8243	R
Walters	D.			949 Presidio Ave	Rm 217	San Francisco	CA 94115			C	R
White	G.	Department Public Works	OCRM	30 Van Ness Avenue	4th Flr	San Francisco	CA 94102	557-4741		557-4745	s R
Wilemon	M.	A T & T Communications		521 Second Street	Rm 500	Santa Rosa	CA 95401				M
Williams	O.	Jefferson Co.		3652 Sacramento St		San Francisco	CA 94118	673-3011		673-1597	R
Wilson	W.	P G & E	Service Planning	2180 Harrison St	2nd Flr	San Francisco	CA 94110	695-3541		695-3525	R
Wong	A.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4043		558-4519	R
Wong	C.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6673		821-0572	R
Wong	H.	Muni Overhead Lines		2502 Alemeda Street		San Francisco	CA 94103	554-9201			M
Wong	L.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Wong	N.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8282		554-8243	M
Wright	R.	Teleport Communications		1 Bush Street	Ste 510	San Francisco	CA 94104	276-0083		276-005C	M
Wyllie	J.	Navigation Technology		111 Lynch Creek Way		Petaluma	CA 94954	707-763-2024			R
Yee	B.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2307		554-2352	R
Yee	S.	Department Public Works	BOE Structural	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4050		558-4053	M
Yim	N.	Department Public Works	Bureau Construction Mgt	1680 Mission St	4th Flr	San Francisco	CA 94103	554-8227		554-8218	M

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Yu	C	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8280		554-8243	R
Zeller	S.	S F Port Commusion		Ferry Building		San Francisco	CA 94111	274-0552		274-0528	M

Office of Capital Resource Managment

CULOCOP MAILING LIST

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Walters	D.			949 Presidio Ave	Rm 217	San Francisco	CA 94115			C	R
Decker	J.	A T & T		2200 Jerrold Street		San Francisco	CA 94124	282-7825			M
Wilemon	M.	A T & T Communications		521 Second Street	Rm 500	Santa Rosa	CA 95401				M
Annuzzi	M.	Annuzzi Concrete		85 Elmira Street		San Francisco	CA 94124	468-2795		468-0303	M
Letunic	N.	Bicycle Advisory Comm		560 Noe Street		San Francisco	CA 94114				R
Fulcher	G.	Brighter Images		250 Lafayette Circle	Ste 100	Lafayette	CA 94549	510-283-3340		510-283-9637	M
Franklin	T.	Caltrans		P. O. Box 23660		Oakland	CA 94623-0660	510-286-4424		510-286-4712	M
Ashe	K.	Caltrans	Resident Engineer	840 Brannan Street		San Francisco	CA 94103	557-7052		557-7776	R
Drablos	D.	Caltrans - Dist 4	Maintenance Permits	380 Foster City Blvd		Foster City	CA 94404	330-6537		330-6537	M
Thomas	J.	CAO Office		401 Van Ness Ave	Rm 437	San Francisco	CA 94102	554-5786		554-4087	R
Shelton	K.	Core Metro Construction		2330 Four Seasons Ct		San Jose	CA 95131				M
Donohoe	J.	Department of Electricity	Public Safety	901 Rankin St		San Francisco	CA 94124	550-2724		550-2728	M
Derouen	J.	Department of Electricity	Telecommunicati	901 Rankin St		San Francisco	CA 94124	550-2724		550-2728	M
Arias	O.	Department Public Works	Assistant to DPW Director	875 Stevenson St	4th Fl.	San Francisco	CA 94103	554-6922		554-6944	M
How	K.	Department Public Works	BOE Asst Deputy Director	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8204		554-8203	M
Boyd	R.	Department Public Works	BOE Disability	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8215		554-8203	M
Skaff	R.	Department Public Works	BOE Disability	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8212		554-8203	M
Kung	H.	Department Public Works	BOE Electrical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4593		558-4053	M
Quan	M.	Department Public Works	BOE Genl Engineering	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4516		558-4053	M
Anderson	H.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8329		554-8308	R
Chan	N.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8355		554-8308	R
Dhapa	I.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8337		554-8308	R
Law	PT	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8347		554-8308	R
Omokaro	E.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8320		554-8308	R
Loiacono	J.	Department Public Works	BOE Maintenance	750 Phelps St	#850	San Francisco	CA 94124	648-6882		550-9316	M
Maiolini	S.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4552		558-4053	M
Nguyen	T.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4554		558-4053	M
Villanueva	A.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4544		558-4093	R

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Chua	J.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8200		554-8203	M
Ovadia	J.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4004		554-8203	R
Valdes	C	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102			554-8203	R
Choi	P.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8948		554-8243	R
Choy	E.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8948		554-8243	R
Cruz	G.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8268		554-8243	R
De Leon	R.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8245		554-8243	R
O'Sullivan	S.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8264		554-8243	R
Paderanga	N.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Wong	L.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Wong	N.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8282		554-8243	M
Yu	C.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8280		554-8243	R
Yee	S.	Department Public Works	BOE Structural	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4050		558-4053	M
Talavera	C.	Department Public Works	BOE Utility Liaison	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Curran	J.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6672		821-0572	2 R
Galli	P.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6672		821-0572	2 R
McDonald	N.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6673		821-0572	s R
Roberts	K.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-		821-0572	R
Wong	C.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6673		821-0572	R
Cunningham	R.	Department Public Works	BSSR Superintendent	2323 Army St		San Francisco	CA 94124	695-2090		695-2097	M
Swanstrom	R.	Department Public Works	Bureau Construction Mgt	1680 Mission St	4th Flr	San Francisco	CA 94103	554-8387		554-8218	M
Yim	N.	Department Public Works	Bureau Construction Mgt	1680 Mission St	4th Flr	San Francisco	CA 94103	554-8227		554-8218	M
Munakata	D.	Department Public Works	Bureau of Engineering	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4517		558-4519	R
Olson	M.	Department Public Works	Bureau of Street Repair	2323 Army St		San Francisco	CA 94124	695-2086		695-2097	R
Busher	J.	Department Public Works	Bureau Street Cleaning	2323 Army St		San Francisco	CA 94124	695-2141		695-2175	R
Kelly	H.	Department Public Works	City Engineer	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4522		554-8203	M
Shoaf	S.	Department Public Works	Deputy Dir Operations	2323 Army St		San Francisco	CA 94124	695-2100		695-2001	M
Troyan	V.	Department Public Works	Deputy Dir Public Service	1660 Mission St.	6th Flr	San Francisco	CA 94103	558-6515		554-6161	M
Primeau	M.	Department Public Works	Director	875 Stevenson St	4th Fl.	San Francisco	CA 94103	554-6920		554-6944	M

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
White	G.	Department Public Works	OCRM	30 Van Ness Avenue	4th Flr	San Francisco	CA 94102	557-4741		557-4745	s R
Chow	A.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8249		554-8243	s R
Johnson	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8275		554-8243	R
Low	S.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8273		554-8243	R
Norris	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8274		554-8243	R
Walsh	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8272		554-8243	R
Mamak	A.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4045		558-4519	R
McDowell	W.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4045		558-4519	R
Wong	A.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4043		558-4519	R
Casey	F.	Department Public Works	Street Use & Mapping	1660 Mission St.	1st Flr	San Francisco	CA 94103	554-5827		554-5843	R
Casey	M.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5851		554-6161	R
Chono	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6196		554-6161	s R
Elsner	N.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6199		554-6161	R
Escalona	M.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5814		554-6161	R
Ferreira	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6192		554-6161	R
Gigliati	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5874		554-6161	R
Gulbengay	H.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5860		554-6161	R
Hansen	A.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5861		554-6161	R
Hom	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5809		554-6161	R
Horn	R.	Department Public Works	Street Use & Mapping	1660 Mission St.	1st Flr	San Francisco	CA 94103			554-5843	R
Kazemi	A.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6209		554-6161	R
Kimp	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5870		554-6161	R
Kuo Hoo	W.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5863		554-6161	R
Lopez	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6201		554-6161	R
Low	K.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	558-6059		554-6161	R
Naizghi	E.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6198		554-6161	R
Quan	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6196		554-6161	R
Trimbur	T.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6167		554-6161	R
Baker	M.	Department Public Works	Urban Forestry	2323 Army St		San Francisco	CA 94124	695-2162		695-2175	R

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Purvis	J.	Dept City Plann		1660 Mission St.		San Francisco	CA 94103	558-6354			R
Tannen	P.	Dept Parking & Traffic	Bicycle Program	25 Van Ness Avenue		San Francisco	CA 94102	554-2396			R
Collins	E.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4074		715-4097	R
Danich	M.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Jacobs	J.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Pickens	C	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Broady	S.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2326		554-2352	R
Jindal	R.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2330		554-2333	R
Quan	H.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2319		554-2352	R
Rand	M.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2300		554-2352	R
Yee	B.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2307		554-2352	R
Shop Manager		Dept Parking & Traffic	Traffic Sign Shop	1999 Bryant St		San Francisco	CA 94110	554-9780		431-714C	R
		Dresser Areia	Construction Inc	4447 Stoneridge Dr	Ste 2	Pleasanton	CA 94588	510-485-1711		510-485-1715	R
Main Library		Government Information	Agendas		5th Flr	San Francisco	CA 94102				2 M
Hoerning	B.	ICG Access Serv		180 Grand Avenue	St 1000	Oakland	CA 94612	510-769-5737		510-769-5737	M
Williams	O.	Jefferson Co.		3652 Sacramento St		San Francisco	CA 94118	673-3011		673-1597	R
Licari	R.	Metropolitan Fiber	Operations Support	444 Market Street	St 1350	San Francisco	CA 94111	362-3300			M
Wong	H.	Muni Overhead Lines		2502 Alemeda Street		San Francisco	CA 94103	554-9201			M
Wyllie	J.	Navigation Technology		111 Lynch Creek Way		Petaluma	CA 94954	707-763-2024			R
Murray	D.	P G & E	Dir Capital Improvement	2180 Harrison St		San Francisco	CA 94110	695-3523		695-329C	R
Labberton	P.	P G & E	Gas Department	2180 Harrison St		San Francisco	CA 94110	695-3243		695-3525	M
Lopipero	J.	P G & E	Gas Department	2180 Harrison St		San Francisco	CA 94110	695-3320		695-3291	6 R
Baker	C.	P G & E	Pipeline Replacement	2180 Harrison St		San Francisco	CA 94110	695-3337		695-3291	R
Madrid	B.	P G & E	Pipelines	2180 Harrison St		San Francisco	CA 94110	695-3492		695-3291	R
Munoz	G.	P G & E	Service Planning	2180 Harrison St	2nd Flr	San Francisco	CA 94110	695-3550		695-3525	R
Wilson	W.	P G & E	Service Planning	2180 Harrison St	2nd Flr	San Francisco	CA 94110	695-3541		695-3525	R
Sams	G.	Pacific Bell		610 Brannan Street		San Francisco	CA 94107	542-7428		545-9019	R
Vowell	C.	Pacific Bell		666 Folsom Street	Rm 1121	San Francisco	CA 94107	542-9095		957-5973	R
Ohlssen	D.	Pacific Bell	Engineering	666 Folsom Street	Rm 1121	San Francisco	CA 94107	542-9095		957-5973	3 R

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Lemmon	D.	Public Utilities Comm	Bureau Light Heat Power	1155 Market St	4th Fl	San Francisco	CA 94103	554-0728		554-1854	M
Lameyse	V.	Public Utilities Comm	Hetch Hetchy Water	1401 Bryant St		San Francisco	CA 94103	695-7223			M
Kascal	C.	Public Utilities Comm	MUNI Overhead	1145 Market St	6th Flr	San Francisco	CA 94103	554-1803		554-1837	R
Hintze	E.	Public Utilities Comm	Utilities Engr Bureau	1155 Market St	4th Fl	San Francisco	CA 94103	554-0707		554-1854	M
Almasi	M.	Public Utilities Comm	Utility Engineering	1145 Market St	6th Flr	San Francisco	CA 94103	554-3238		554-1837	M
Bavishi	K.	Public Utilities Comm	Utility Engineering	1145 Market St	6th Flr	San Francisco	CA 94103	554-1884		554-1837	R
Van Dyke	S.	S F Fire Department		260 Golden Gate Ave	Rm 219	San Francisco	CA 94102	861-8000			M
Straus	P.	S F Municipal Railway	Planning Section	949 Presidio Avenue		San Francisco	CA 94115	923-6100			R
Zeller	S.	S F Port Commision		Ferry Building		San Francisco	CA 94111	274-0552		274-0528	M
		S F Redevelopment	Engineering Div	770 Golden Gate Ave	2nd Flr	San Francisco	CA 94102	749-2447		749-2565	M
Gapulte	D.	S F Water Department	CDD Engineering	1990 Newcomb	Rm 112	San Francisco	CA 94124	550-4927		550-4913	R
Flewellen	S.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2526		923-250C	R
Huie	B.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2523		923-250C	R
Lew	D.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2520		923-250C	R
Blue	R.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4926		550-4913	M
Chan	A.	S F Water Department	Distribution Engineering	1990 Newcomb	Rm 114	San Francisco	CA 94124	550-4931		550-4913	R
Davilla	D.	S F Water Department	Distribution Engineering	1990 Newcomb	Rm 114	San Francisco	CA 94124	550-4928		550-4913	R
Pelayo	J.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4916		550-4913	R
Poblete	R.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4917		550-4913	R
Evans	G.	S F Water Department	New Installations	425 Mason St	1st Flr	San Francisco	CA 94102	923-2521		923-250C	R
Lee	C.	S F Water Department	UEB Construction	1990 Newcomb		San Francisco	CA 94124	550-4925		550-4913	R
Ronis	J.	S F Water Department	UEB Construction	1990 Newcomb		San Francisco	CA 94124	550-2976		550-4913	R
Judd	G.	San Francisco Thermal		460 Jessie Street		San Francisco	CA 94103	771-3415		771-3787	M
Freeman	D.	Sprint Communications		1850 Gateway Drive	5th Flr	San Mateo	CA 94404-2467				M
Boney	T.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3354	863-1659	M
Callow	M.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-2292	863-1659	R
Hagerla	R.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3355	863-1659	M
Santos	E.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3356	863-1659	M
MacKay	W.	Teleport Communications		1 Bush Street	Ste 510	San Francisco	CA 94101	276-0070		276-005C	R

NAME		ORGANIZATION	ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Wright	R.	Teleport Communications	1 Bush Street	Ste 510	San Francisco	CA 94104	276-0083		276-005C	M
		US SPRINT	P O Box 7501		San Mateo	CA 94403-7501				M

ATTACHMENT D

Muni F-Line Summary

San Francisco Municipal Railway • 1145 Ma

Post-it® Fax Note 7671	Date 12/3 # of pages ▶ 2
To Joe NORRIS	From E. EVANGELISTA
Co./Dept.	Co.
Phone #	Phone #
Fax # 554-8243	Fax # 554-1881

TO: Joe Norris
DPW, Office of Capital Resources Management

FROM: Ernie Evangelista
PTD, Muni Capital Engineering

DATE: December 3, 1996

Per your request, here are the information on the F-Line Fisherman's Wharf Loop Project I presented during the Cul Cop Meeting last November 14, 1996.

- **Project**
  Muni F-Line Fisherman's Wharf Loop North Point Street to Jones Street (Contract No. MR-1112)

- **Project Team Member**

Don Chee - Project Manager	554-1823
Tad Jadkowski - Construction Resident Engineer	522-5789
Ernesto Evangelista - Project Engineer	554-1881

- **Scope of Work**
  The work is located along the Embarcadero from Broadway to Powell Streets, Jefferson Street from Powell to Jones Streets, Jones Street from Jefferson to Beach Streets and Beach Street from Jones Street to the Embarcadero

A. Trackwork
The work includes vertical and horizontal aligemnt of the rail, construction of reinforced concrete track slab and directly placing the rail on top of the track slab by direct fixation. The track reserved right of way, 12 to 13 foot wide along Jefferson Street, Jones Street and Beach Street will be installed with smooth granite stone paver, construction of four Muni boarding stops and handicap accessible ramp and platform, installation of special trackwork turnaround at Stockton Street in front of Pier 39 Garage.

B. Roadway Work
The work includes roadway reconstruction, cold planing and asphalt repaving, construction of curb, gutter, curb ramp and sidewalk reconstruction.

C. Water Department Work
Work includes replacement of water main pipes, valves and fire hydrants, and retaping or replacing of service pipe.

D. Sewer and Drainage Work

Work includes replacement of drainage pipe and sewer lateral pipe under the track right of way, removal and replacement of catch basin and sewer trap and televising the existing sewer lateral to assess their condition.

E. Electrical Streetlighting and Traffic Signal

Work includes construction of Muni electrical duct bank for feeder cable, installation of conduit and cable for streetlighting and traffic signal, installation of streetlight fluted pole with acorn light.

F. Landscape Work

Work includes removal and replacement of existing trees impacted by Muni trackwork and planting additional trees.

G. Overhead Work

Work includes installation of overhead contact system. installation of fluted overhead trolley pole with bracket arm, ornament scroll and banner arms.

H. AWSS Work

Work includes removal and installation of new pipes and fire hydrants at Jefferson Street and Jones Street. Jones Street and Beach Street intersections. and pipe encasement at Powell Street and Beach Street intersection.

I. Traffic Regulation Work

Work includes furnishing installation and relocating traffic signs and parking prohibition signs, water filled crash barriers. barricades and flashes, delineators, solar powered flashing arrow signs and pedestrian barricades to provide for lane shifting. Provide temporary plating and bridging required by the Contractor's operations and providing flag person.

J. Triangle Area Work

This work is located in the north side of intersection of Jefferson Street and the Embarcadero and works include roadway reconstruction curb and curb ramp, drainage work, sidewalk with granite pavement, landscaping and irrigation and electrical lighting work.

- **Schedule**

  The Bid Opening Date was November 15, 1996. Schedule start of construction is February, 1997 and Construction Duration is 760 calendar days including summer and Christmas season moratorium.

- **Engineer's Estimate:** **$13,500,000**

- **Impact**

  The F-Line Fisherman's Wharf Loop North Point Street to Jones Street will provide a terminal loop for the F-Market historic streetcar that will bring commuters and tourist from Market Street to Fisherman's Wharf and Pier 39.

City and County of San Francisco **Department of Public Works**
Bureau of Engineering

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

COMMITTEE MEETING NO. 382

3 Agenda

BOE CONFERENCE ROOM
1680 MISSION STREET, FOURTH FLOOR
THURSDAY December 11, 1996
10:00 AM 12

SF
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1
12/11/96

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- Caltrans Projects
- Central Freeway Project
- Sewer Management System
- Curb Ramp Standards
- Status Report Clearances
- Stick Map / GIS Centerline Layer
- Blue Book / Restricted Parking Zone
- Chinatown Construction Zone
- Flowable Fill
- Administrative Code / Executive Session
- Membership List
- 911 Emergency Communication Center
- F Line Extension

New Business:
- Street Excavation Code (Mr. Troyan of DPW)
- Northeast Quadrant Transportation Study (Mr. Moscovich of SFTA)

II. DPT - Temporary Street Closure Report II - 1

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Next Meeting: Thursday January 9, 1997 at 10:00 A. M.
BOE Conference Room
1680 Mission Street, 4th Floor

Accessible Meeting Information

1. The meeting room is wheelchair accessible. Accessible seating for people with disabilities (including those using wheelchairs) will be available.

2. For American sign language interpreters, use of a reader during meeting, or sound enhancements, please contact CULCOP secretary at (415) 554-8274, at least 72 hours in advance of need. Late requests will be honored if possible.

3. Following a meeting, minutes are available in large prints or alternative formats. Please call CULCOP secretary at (415) 554-8274.

4. As part of the City's efforts to accommodate people with severe allergies, environmental illnesses, multiple chemical sensitivity, attendees at public meetings are reminded that other attendees may be sensitive to various chemical based products. Please help the City to accommodate these attendees and refrain from wearing perfume or other scented products.

5. The meeting will be held at 1680 Mission Street, the Fourth Floor Conference Room. Accessible Muni line serving this location is:

   Muni Bus Lines: #14, #14L on Mission Street; # 42 on Van Ness Avenue;
   #26 on Valencia Street; #71 on Noriega Street; #9 on Market Street.
   Muni Street Cars: K, L, M, N, stops at Van Ness Station.

   For further information about MUNI accessible services, call MUNI's Elderly and Handicapped Program at 923-6142, TDD 923-6366.

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

MINUTES OF MEETING NO. 381
November 14, 1996

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Dave Moore	558-4566

Office of Capital Resources Management

Amy Chow	554-8249
Berhane Gaime	554-8260
Marivic Huff	557-4740
Joe Norris	554-8274
Carmen Talavera	554-8261
James Walsh	554-8272
George White	557-4740

Bureau of Street and Sewer Repair

Niles McDonald	695-6673

Bureau of Street Use Management

Cynthia Chono	554-6196

Bureau of Construction Management

☛ **(Representative not present)**

DPW Public Affairs

Anna Wong	554-6928

Bureau of Architecture

Paul Travis	557-4631

Department of Parking and Traffic

☛ **(Representative not present)**

MUNI Engineering

Ernesto Evangelista	554-1881
Tad Jadkowski	522-5789
Charles Kascal	544-1803

San Francisco Port Authority

☛ **(Representative not present)**

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department
City Distribution Division

Joe Pelayo	550-4916

Caltrans

Karen Ashe	557-7052
Dean Drablos	330-6537
Tom Franklin	510-286-4424

Pacific Bell

David Ohlssen	542-9095
Gil Sams	542-7428

Pacific Gas & Electric

Gilbert Munoz	695-3550

SF Thermal

☛ **(Representative not present)**

TCI

David Walunas	863-8500

Navigation Technologies

☛ **(Representative not present)**

Jefferson Company

Hilaire Dufresne	673-3011
Ocie Williams	673-3011

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 381
November 14, 1996

The October 10, 1996 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Ms. Ashe reported that the Alemany Circle Contract has been awarded and construction begins in December: The location of gas, electric, and water lines need to be verified and resolved before construction work can begin. The City's paving project is outside the Caltrans project area but could have a mutual traffic impact. Mr. Drablos is working with Ed Choy and the BCM inspector to coordinate.

At China Basin, the traffic signal box did not require relocation.

At 7th St between 16th St and Irwin St, the electrical conduit location was resolved but not the telephone.

For the Central Freeway project, the last of the street closures ended Tuesday, November 12, 1996. Fell and Oak Streets are the remaining areas experiencing traffic impact. Pac Bell is almost done with work on Brannan St near Dore.

The traffic and parking difficulties surrounding the Central Freeway retrofit appear to be clearing up. The project should be finished by Thanksgiving. Ms. Chono noted the modification of the viaduct columns may affect City curb alignments, in some cases requiring legislation. For example, Alameda Street lost a third of its width and has problems with drainage. These modifications should have been addressed in the planning phase, prior to construction. Caltrans should review its procedures for modification of streets and sidewalks.

For the Bayshore Viaduct retrofit, Ms. Ashe will conduct a walk-through with PG&E.

Work on the Bay Bridge approach, from Spear to the 80/101 junction, will begin in six to nine months, with four contracts.

Mr. Franklin announced that Caltrans now has a home page open, with some parts still being developed. Eventually it will be possible to do permits via the Internet. He also distributed a listing of streets where the City has an annual permit to do maintenance. See Attachment A.

Mr. White noted that traffic seems to be heavier on the limited access highways leading to Marin. Mr. Franklin will look into this.

Sewer Management System Mr. Walsh is revising the Sewer 5 Year Plan report format to include a new "Accelerated" category for sewers near collapse that require prompt replacement. Utility notifications will be made, but not the normal 120 day notice because of limited time.

Curb Ramp Standards Ms. Low reported that we are working on a policy for relocation of utilities to conform to Federal and State requirements. The Path of Travel policy is still under discussion, although members should note that the Federal ADA standards apply whether or not the City clarifies its reading of them. Mr. White added that we will issue prioritization guidelines soon.

Mr. Munoz noted that PG&E is willing to consider having City contracts include relocating PG&E facilities in curb ramp locations in order to avoid duplicate work and delays. PG&E would train the City contractors' crews in the proper safety and other procedures and pay for the work. Mr. White asked Mr. Munoz to set up a meeting to discuss this idea.

Status Report Clearances Ms. Chow thanked members for the cooperation that allowed us to clear over 300 blocks this year and BSSR to pave over 130 blocks since April. She displayed examples of Stick Map plots of the Northeast Quadrant as well as GIS plots of Chinatown and the Mission district. These maps allow us to coordinate locations and schedules based on the information provided by CULCOP members. This fits in with the Mayor's high priority for district-wide coordination; the next area of interest will be the Castro neighborhood. Mr. White added that the Mayor has requested, via the Director, that we look into placing this information, in graphic and tabular form, on the Internet.

Ms. Chow noted that the streets in the Status Report are derived from the Pavement Management System, for which we are near to publishing a new priority listing and condition report. We are currently revisiting our prioritization criteria.

GIS Basemap Centerline Layer Ms. Huff displayed draft copies of the new GIS Centerline Map which will soon replace the Stick Map. The Centerline Map is now in the final stages of quality assurance and includes roadways not in the Stick Map, such as private roads, parks, GGNRA, and Hunters Point. It will be available in two formats, a one-sheet City-wide map and a book of 250 section maps. OCRM will distribute the map books for a fee to cover reproduction, and is developing a licensing agreement for electronic distribution. Members should find the electronic format useful for purposes such as the automated permit system that will be available from BSM.

Blue Book & Restricted Parking in Construction Zones Mr. Norris has developed a database table of the restricted parking zones. A map plot of this information will be available next meeting.

Chinatown Special Construction Zone Ms. Chono noted two new sewer projects, in Sacramento and Jackson Streets, which we will add to the Northeast Quadrant maps.

Some schedules have slipped a little, such as Hang Ah Alley. We need to issue regular updates to keep the community informed. Public Affairs wish to obtain accurate and timely information for them to distribute. See Attachment B for a copy of the current schedule.

Flowable Fill Ms. Chono observed that the issue seems to be between excavators, who appreciate its advantages, and facility owners, who are troubled by its disadvantages, especially cost and quality control. Both are members of CULCOP, so this seems to be the appropriate place to discuss it. Mr. White proposed that each agency clairify its own views and then meet here to explore issues like how and where it is best used, suitable specifications, effectiveness, and costs as compared to alternatives. The meeting might best be scheduled after the holidays; contact Mr. Norris at 554-8274 if interested.

Draft Legislation for Street Excavation The draft is still with the City Attorney; Mr. Troyan will make his presentation when it has been returned.

Mailing Label Update A copy of the current list is in Attachment C. Please update it as appropriate and return it to Mr. Norris.

Administrative Code The executive session will meet in mid to late January, using our annual report as part of its agenda. A copy of the Administrative Code section is attached to these minutes. Please contact Mr. White at 557-4740 with recommendations for topics and for who should be present as Mr. Primeau's counterpart in your agency.

NEW BUSINESS

Northeast Quadrant Mr. Moscovich will make his presentation at the next meeting. The maps on display at this meeting were developed for his study.

911 Emergency Com.munication Center Mr. Travis displayed plans for the site and new building. The project is now out to bid. and construction will start in March for a 20 month duration. Redundant utility services will be installed so the center can function in a major disaster. Mr. White asked Mr. Travis to provide a fact sheet for inclusion in the minutes, and we will provide Mr. Travis with information on known utility project plans in the area. Copies of the fact sheet will be distributed when we receive it.

F Line Extension Mr. Evangelista displayed the layout for the track construction, which will proceed counterclockwise through the loop beginning at The Embarcadero at Jones St. Location of the tracks will require extensive utility work. including new water mains in Beach and Jefferson, new sewer mains and side sewer connections, new and relocated street trees, and AWSS encasements. Bids were opened on November 15, with construction to begin in February for 760 calendar days with breaks for peak tourist seasons, weekends, and the like. Muni's PE for the project is the designated coordinator for other agencies' projects in the area. Contact Tad Jadkowski at 1145 Market Street, 6th Floor, 522-5789 (voice), 522-5781 (fax). Mr. White requested a fact sheet, including a map, for inclusion with these minutes, and an AutoCAD file to link with GIS (we hope to make this a standard procedure). See Attachment D.

Mr. Walunas discussed some concerns with 30th St Muni Lines. TCI cannot access its overhead lines past the Muni LRV and bus wires and the only way for TCI crane trucks to access the lines involves a 72 hour notice, which is impractical. Mr. Kascal said he would work with Mr. Walunas to resolve the problem.

The next meeting will be at 10:00 am Thursday. December 12, 1996, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

ATTACHMENT A

Caltrans Information

ENCROACHMENT PERMITS

Caltrans

ON THE CALIFORNIA STATE HIGHWAYS

The Encroachment Permits Branch is responsible for overseeing statewide policy and procedure of encroachment permit activities within the state highway system. These activities are nonvehicular in nature. Some of these activities are construction of highway improvements, utility work, commercial filming, and special events such as parades.

ENCROACHMENT PERMITS MANUAL

- Preface and Table of Contents
- Chapter 1
- Chapter 2
- Chapter 3
- Chapter 4
- Chapter 5
- Chapter 6
- Glossary (Chapter 7)
- Appendices
- Forms (Appendix D)
- List of location and contact telephone numbers.

CONVENTIONAL STATE HIGHWAYS

IN SAN FRANCISCO COUNTY

STATE HIGHWAY	STREET NAME	FROM	TO
1	19th Ave.	Junipero Serra	Lincoln Way
	Crossover Drive	Lincoln Way	Fulton St.
	Park Presidio Blvd.	Fulton St.	Lake St.
35	Skyline Blvd. (East side only)	John Muir Dr.	The Great Highway
	Skyline Blvd.	Great Highway	Sloat Blvd.
	Sloat Blvd.	Skyline Dr.	19th Ave.
82	San Jose St.	Gothe St.	Regent St.
101	Golden Gate Ave.	Franklin St.	Van Ness Ave.
	Turk St.	Gough St.	Van Ness Ave.
	Van Ness Ave.	Golden Gate St.	Lombard St.
480	Lombard St.	Van Ness Ave.	Richardson St.
	Richardson St.	Lombard St.	Francisco St.

All other State highways right of ways are access controlled environment and need separate permits.

ATTACHMENT C

CULCOP Mailing List

We have printed the mailing list in two versions for your convenience: one sorted by the person's name and one sorted by organization. The layout is otherwise identical for both and should be self-explanatory. The 'flg' column at the right margin shows two things: an 'M' for those who have requested the Minutes only. and an 'R' for those who have requested the whole Status Report package; and the number of copies for those who have requested more than one.

Please copy the listing for your organization and correct or update it as appropriate. including the 'flg' column. and return it to Joe Norris at Project Development Section. 1680 Mission St 3rd Floor. SF 94103. or fax it to 554-8243.

Office of Capital Resource Managment

CULOCOP MAILING LIST

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
		Dresser Areia	Construction Inc	4447 Stoneridge Dr	Ste 2	Pleasanton	CA 94588	510-485-1711		510-485-1715	R
		S F Redevelopment	Engineering Div	770 Golden Gate Ave	2nd Flr	San Francisco	CA 94102	749-2447		749-2565	M
		US SPRINT		P O Box 7501		San Mateo	CA 94403-7501				M
Almasi	M.	Public Utilities Comm	Utility Engineering	1145 Market St	6th Flr	San Francisco	CA 94103	554-3238		554-1837	M
Anderson	H.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8329		554-8308	R
Annuzzi	M.	Annuzzi Concrete		85 Elmira Street		San Francisco	CA 94124	468-2795		468-0303	M
Arias	O.	Department Public Works	Assistant to DPW Director	875 Stevenson St	4th Fl.	San Francisco	CA 94103	554-6922		554-6944	M
Ashe	K.	Caltrans	Resident Engineer	840 Brannan Street		San Francisco	CA 94103	557-7052		557-7776	R
Baker	C.	P G & E	Pipeline Replacement	2180 Harrison St		San Francisco	CA 94110	695-3337		695-3291	R
Baker	M.	Department Public Works	Urban Forestry	2323 Army St		San Francisco	CA 94124	695-2162		695-2175	R
Bavishi	K.	Public Utilities Comm	Utility Engineering	1145 Market St	6th Flr	San Francisco	CA 94103	554-1884		554-1837	R
Blue	R.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4926		550-4913	M
Boney	T.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3354	863-1659	M
Boyd	R.	Department Public Works	BOE Disability	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8215		554-8203	M
Broady	S.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2326		554-2352	R
Busher	J.	Department Public Works	Bureau Street Cleaning	2323 Army St		San Francisco	CA 94124	695-2141		695-2175	R
Callow	M.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-2292	863-1659	R
Casey	F.	Department Public Works	Street Use & Mapping	1660 Mission St.	1st Flr	San Francisco	CA 94103	554-5827		554-5843	R
Casey	M.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5851		554-6161	R
Chan	A.	S F Water Department	Distribution Engineering	1990 Newcomb	Rm 114	San Francisco	CA 94124	550-4931		550-4913	R
Chan	N.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8355		554-8308	R
Chia	J.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8200		554-8203	M
Choi	P.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8948		554-8243	R
Chono	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6196		554-6161	s R
Chow	A.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8249		554-8243	s R
Choy	E.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8948		554-8243	R
Collins	E.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4074		715-4097	R
Cruz	G.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8268		554-8243	R

S:\PD\Pavement\DB\Maillist.mdf   Prepared by J Norris 554-8274

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Cunningham	R.	Department Public Works	BSSR Superintendent	2323 Army St		San Francisco	CA 94124	695-2090		695-2097	M
Curran	J.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6672		821-0572	2 R
Danich	M.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Davilla	D.	S F Water Department	Distribution Engineering	1990 Newcomb	Rm 114	San Francisco	CA 94124	550-4928		550-4913	R
De Leon	R.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8245		554-8243	R
Decker	J.	A T & T		2200 Jerrold Street		San Francisco	CA 94124	282-7825			M
Derouen	J.	Department of Electricity	Telecommunicati	901 Rankin St		San Francisco	CA 94124	550-2724		550-2728	M
Dhapa	I	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8337		554-8308	R
Donohoe	J.	Department of Electricity	Public Safety	901 Rankin St		San Francisco	CA 94124	550-2724		550-2728	M
Drablos	D.	Caltrans - Dist 4	Maintenance Permits	380 Foster City Blvd		Foster City	CA 94404	330-6537		330-6537	M
Elsner	N	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6199		554-6161	R
Escalona	M.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5814		554-6161	R
Evans	G.	S F Water Department	New Installations	425 Mason St	1st Flr	San Francisco	CA 94102	923-2521		923-250C	R
Ferreira	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6192		554-6161	R
Flewellen	S.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2526		923-250C	R
Franklin	T.	Caltrans		P. O. Box 23660		Oakland	CA 94623-0660	510-286-4424		510-286-4712	M
Freeman	D.	Sprint Communications		1850 Gateway Drive	5th Flr	San Mateo	CA 94404-2467				M
Fulcher	G.	Brighter Images		250 Lafayette Circle	Ste 100	Lafayette	CA 94549	510-283-3340		510-283-9637	M
Galli	P.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6672		821-0572	2 R
Gapulte	D.	S F Water Department	CDD Engineering	1990 Newcomb	Rm 112	San Francisco	CA 94124	550-4927		550-4913	R
Gigliati	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5874		554-6161	R
Gulbengay	H.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5860		554-6161	R
Hagerla	R.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3355	863-1659	M
Hansen	A.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5861		554-6161	R
Hintze	E.	Public Utilities Comm	Utilities Engr Bureau	1155 Market St	4th Fl	San Francisco	CA 94103	554-0707		554-1854	M
Hoerning	B.	ICG Access Serv		180 Grand Avenue	St 1000	Oakland	CA 94612	510-769-5737		510-769-5737	M
Hom	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5809		554-6161	R
Horn	R.	Department Public Works	Street Use & Mapping	1660 Mission St.	1st Flr	San Francisco	CA 94103			554-5843	R
How	K.	Department Public Works	BOE Asst Deputy Director	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8204		554-8203	M

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Huie	B.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2523		923-250C	R
Jacobs	J.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Jindal	R.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2330		554-2333	R
Johnson	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8275		554-8243	R
Judd	G.	San Francisco Thermal		460 Jessie Street		San Francisco	CA 94103	771-3415		771-3787	M
Kascal	C.	Public Utilities Comm	MUNI Overhead	1145 Market St	6th Flr	San Francisco	CA 94103	554-1803		554-1837	R
Kazemi	A.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6209		554-6161	R
Kelly	H.	Department Public Works	City Engineer	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4522		554-8203	M
Kimp	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5870		554-6161	R
Kung	H.	Department Public Works	BOE Electrical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4593		558-4053	M
Kuo Hoo	W.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5863		554-6161	R
Labberton	P.	P G & E	Gas Department	2180 Harrison St		San Francisco	CA 94110	695-3243		695-3525	M
Lameyse	V.	Public Utilities Comm	Hetch Hetchy Water	1401 Bryant St		San Francisco	CA 94103	695-7223			M
Law	PT	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8347		554-8308	R
Lee	C.	S F Water Department	UEB Construction	1990 Newcomb		San Francisco	CA 94124	550-4925		550-4913	R
Lemmon	D.	Public Utilities Comm	Bureau Light Heat Power	1155 Market St	4th Fl	San Francisco	CA 94103	554-0728		554-1854	M
Letunic	N.	Bicycle Advisory Comm		560 Noe Street		San Francisco	CA 94114				R
Lew	D.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2520		923-250C	R
Licari	R.	Metropolitan Fiber	Operations Support	444 Market Street	St 1350	San Francisco	CA 94111	362-3300			M
Loiacono	J.	Department Public Works	BOE Maintenance	750 Phelps St	#850	San Francisco	CA 94124	648-6882		550-9316	M
Lopez	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6201		554-6161	R
Lopipero	J.	P G & E	Gas Department	2180 Harrison St		San Francisco	CA 94110	695-3320		695-3291	6 R
Low	K.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	558-6059		554-6161	R
Low	S.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8273		554-8243	R
MacKay	W.	Teleport Communications		1 Bush Street	Ste 510	San Francisco	CA 94104	276-0070		276-005C	R
Madrid	B.	P G & E	Pipelines	2180 Harrison St		San Francisco	CA 94110	695-3492		695-3291	R
Main Library		Government Information	Agendas		5th Flr	San Francisco	CA 94102				2 M
Maiolini	S.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4552		558-4053	M
Manak	A.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4045		558-4519	R

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
McDonald	N.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6673		821-0572	s R
McDowell	W	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4045		558-4519	R
Munakata	D.	Department Public Works	Bureau of Engineering	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4517		558-4519	R
Munoz	G.	P G & E	Service Planning	2180 Harrison St	2nd Flr	San Francisco	CA 94110	695-3550		695-3525	R
Murray	D.	P G & E	Dir Capital Improvement	2180 Harrison St		San Francisco	CA 94110	695-3523		695-329C	R
Naizghi	E.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6198		554-6161	R
Nguyen	T.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4554		558-4053	M
Norris	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8274		554-8243	R
O'Sullivan	S.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8264		554-8243	R
Ohlssen	D.	Pacific Bell	Engineering	666 Folsom Street	Rm 1121	San Francisco	CA 94107	542-9095		957-5973	3 R
Olson	M.	Department Public Works	Bureau of Street Repair	2323 Army St		San Francisco	CA 94124	695-2086		695-2097	R
Omokaro	E.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8320		554-8308	R
Ovadia	J.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4004		554-8203	R
Paderanga	N.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Pelayo	J.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4916		550-4913	R
Pickens	C.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Poblete	R.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4917		550-4913	R
Primeau	M.	Department Public Works	Director	875 Stevenson St	4th Fl.	San Francisco	CA 94103	554-6920		554-6944	M
Purvis	J.	Dept City Plann		1660 Mission St.		San Francisco	CA 94103	558-6354			R
Quan	H.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2319		554-2352	R
Quan	M.	Department Public Works	BOE Genl Engineering	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4516		558-4053	M
Quan	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6196		554-6161	R
Rand	M.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2300		554-2352	R
Roberts	K.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-		821-0572	R
Ronis	J.	S F Water Department	UEB Construction	1990 Newcomb		San Francisco	CA 94124	550-2976		550-4913	R
Sams	G.	Pacific Bell		610 Brannan Street		San Francisco	CA 94107	542-7428		545-9019	R
Santos	E.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3356	863-1659	M
Shelton	K.	Core Metro Construction		2330 Four Seasons Ct		San Jose	CA 95131				M
Shoaf	S.	Department Public Works	Deputy Dir Operations	2323 Army St		San Francisco	CA 94124	695-2100		695-2001	M

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Shop Manager		Dept Parking & Traffic	Traffic Sign Shop	1999 Bryant St		San Francisco	CA 94110	554-9780		431-714C	R
Skaff	R.	Department Public Works	BOE Disability	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8212		554-8203	M
Straus	P.	S F Municipal Railway	Planning Section	949 Presidio Avenue		San Francisco	CA 94115	923-6100			R
Swanstrom	R.	Department Public Works	Bureau Construction Mgt	1680 Mission St	4th Flr	San Francisco	CA 94103	554-8387		554-8218	M
Talavera	C.	Department Public Works	BOE Utility Liaison	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Tannen	P.	Dept Parking & Traffic	Bicycle Program	25 Van Ness Avenue		San Francisco	CA 94102	554-2396			R
Thomas	J.	CAO Office		401 Van Ness Ave	Rm 437	San Francisco	CA 94102	554-5786		554-4087	R
Trimbur	T.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6167		554-6161	R
Troyan	V.	Department Public Works	Deputy Dir Public Service	1660 Mission St.	6th Flr	San Francisco	CA 94103	558-6515		554-6161	M
Valdes	C.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102			554-8203	R
Van Dyke	S.	S F Fire Department		260 Golden Gate Ave	Rm 219	San Francisco	CA 94102	861-8000			M
Villanueva	A.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4544		558-4093	R
Vowell	C.	Pacific Bell		666 Folsom Street	Rm 1121	San Francisco	CA 94107	542-9095		957-5973	R
Walsh	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8272		554-8243	R
Walters	D.			949 Presidio Ave	Rm 217	San Francisco	CA 94115			C	R
White	G.	Department Public Works	OCRM	30 Van Ness Avenue	4th Flr	San Francisco	CA 94102	557-4741		557-4745 s	R
Wilemon	M.	A T & T Communications		521 Second Street	Rm 500	Santa Rosa	CA 95401				M
Williams	O.	Jefferson Co.		3652 Sacramento St		San Francisco	CA 94118	673-3011		673-1597	R
Wilson	W.	P G & E	Service Planning	2180 Harrison St	2nd Flr	San Francisco	CA 94110	695-3541		695-3525	R
Wong	A.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4043		558-4519	R
Wong	C.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6673		821-0572	R
Wong	H.	Muni Overhead Lines		2502 Alemeda Street		San Francisco	CA 94103	554-9201			M
Wong	L.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Wong	N.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8282		554-8243	M
Wright	R.	Teleport Communications		1 Bush Street	Ste 510	San Francisco	CA 94104	276-0083		276-005C	M
Wyllie	J.	Navigation Technology		111 Lynch Creek Way		Petaluma	CA 94954	707-763-2024			R
Yee	B.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2307		554-2352	R
Yee	S.	Department Public Works	BOE Structural	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4050		558-4053	M
Yim	N.	Department Public Works	Bureau Construction Mgt	1680 Mission St	4th Flr	San Francisco	CA 94103	554-8227		554-8218	M

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Yu	C	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8280		554-8243	R
Zeller	S.	S F Port Commision		Ferry Building		San Francisco	CA 94111	274-0552		274-0528	M

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NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Walters	D.			949 Presidio Ave	Rm 217	San Francisco	CA 94115			C	R
Decker	J.	A T & T		2200 Jerrold Street		San Francisco	CA 94124	282-7825			M
Wilemon	M.	A T & T Communications		521 Second Street	Rm 500	Santa Rosa	CA 95401				M
Annuzzi	M.	Annuzzi Concrete		85 Elmira Street		San Francisco	CA 94124	468-2795		468-0303	M
Letunic	N.	Bicycle Advisory Comm		560 Noe Street		San Francisco	CA 94114				R
Fulcher	G.	Brighter Images		250 Lafayette Circle	Ste 100	Lafayette	CA 94549	510-283-3340		510-283-9637	M
Franklin	T.	Caltrans		P. O. Box 23660		Oakland	CA 94623-0660	510-286-4424		510-286-4712	M
Ashe	K.	Caltrans	Resident Engineer	840 Brannan Street		San Francisco	CA 94103	557-7052		557-7776	R
Drablos	D.	Caltrans - Dist 4	Maintenance Permits	380 Foster City Blvd		Foster City	CA 94404	330-6537		330-6537	M
Thomas	J.	CAO Office		401 Van Ness Ave	Rm 437	San Francisco	CA 94102	554-5786		554-4087	R
Shelton	K.	Core Metro Construction		2330 Four Seasons Ct		San Jose	CA 95131				M
Donohoe	J.	Department of Electricity	Public Safety	901 Rankin St		San Francisco	CA 94124	550-2724		550-2728	M
Deronen	J.	Department of Electricity	Telecommunicati	901 Rankin St		San Francisco	CA 94124	550-2724		550-2728	M
Arias	O.	Department Public Works	Assistant to DPW Director	875 Stevenson St	4th Fl.	San Francisco	CA 94103	554-6922		554-6944	M
How	K.	Department Public Works	BOE Asst Deputy Director	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8204		554-8203	M
Boyd	R.	Department Public Works	BOE Disability	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8215		554-8203	M
Skaff	R.	Department Public Works	BOE Disability	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8212		554-8203	M
Kung	H.	Department Public Works	BOE Electrical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4593		558-4053	M
Quan	M.	Department Public Works	BOE Genl Engineering	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4516		558-4053	M
Anderson	H.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8329		554-8308	R
Chan	N.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8355		554-8308	R
Dhapa	I.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8337		554-8308	R
Law	PT	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8347		554-8308	R
Omokaro	E.	Department Public Works	BOE Hydraulics	1680 Mission St	2nd Flr	San Francisco	CA 94103	554-8320		554-8308	R
Loiacono	J.	Department Public Works	BOE Maintenance	750 Phelps St	#850	San Francisco	CA 94124	648-6882		550-9316	M
Maiolini	S.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4552		558-4053	M
Nguyen	T.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4554		558-4053	M
Villanueva	A.	Department Public Works	BOE Mechanical	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4544		558-4093	R

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Chia	J	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	554-8200		554-8203	M
Ovadia	J.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4004		554-8203	R
Valdes	C.	Department Public Works	BOE Project Management	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102			554-8203	R
Choi	P	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8948		554-8243	R
Choy	E	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8948		554-8243	R
Cruz	G.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8268		554-8243	R
De Leon	R.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8245		554-8243	R
O'Sullivan	S.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8264		554-8243	R
Paderanga	N.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Wong	L.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Wong	N.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8282		554-8243	M
Yu	C.	Department Public Works	BOE Streets & Highways	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8280		554-8243	R
Yee	S.	Department Public Works	BOE Structural	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4050		558-4053	M
Talavera	C.	Department Public Works	BOE Utility Liaison	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8261		554-8243	R
Curran	J.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6672		821-0572	2 R
Galli	P.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6672		821-0572	2 R
McDonald	N.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6673		821-0572	s R
Roberts	K.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-		821-0572	R
Wong	C.	Department Public Works	BSSR Asphalt Plant	2323 Army St		San Francisco	CA 94124	695-6673		821-0572	R
Cunningham	R.	Department Public Works	BSSR Superintendent	2323 Army St		San Francisco	CA 94124	695-2090		695-2097	M
Swanstrom	R.	Department Public Works	Bureau Construction Mgt	1680 Mission St	4th Flr	San Francisco	CA 94103	554-8387		554-8218	M
Yim	N.	Department Public Works	Bureau Construction Mgt	1680 Mission St	4th Flr	San Francisco	CA 94103	554-8227		554-8218	M
Munakata	D.	Department Public Works	Bureau of Engineering	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4517		558-4519	R
Olson	M.	Department Public Works	Bureau of Street Repair	2323 Army St		San Francisco	CA 94124	695-2086		695-2097	R
Busher	J.	Department Public Works	Bureau Street Cleaning	2323 Army St		San Francisco	CA 94124	695-2141		695-2175	R
Kelly	H.	Department Public Works	City Engineer	30 Van Ness Avenue	5th Flr	San Francisco	CA 94102	558-4522		554-8203	M
Shoaf	S.	Department Public Works	Deputy Dir Operations	2323 Army St		San Francisco	CA 94124	695-2100		695-2001	M
Troyan	V.	Department Public Works	Deputy Dir Public Service	1660 Mission St.	6th Flr	San Francisco	CA 94103	558-6515		554-6161	M
Primean	M.	Department Public Works	Director	875 Stevenson St	4th Fl.	San Francisco	CA 94103	554-6920		554-6944	M

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
White	G.	Department Public Works	OCRM	30 Van Ness Avenue	4th Flr	San Francisco	CA 94102	557-4741		557-4745	s R
Chow	A.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8249		554-8243	s R
Johnson	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8275		554-8243	R
Low	S.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8273		554-8243	R
Norris	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8274		554-8243	R
Walsh	J.	Department Public Works	OCRM Project Developme	1680 Mission St	3rd Flr	San Francisco	CA 94103	554-8272		554-8243	R
Mamak	A.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4045		558-4519	R
McDowell	W.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4045		558-4519	R
Wong	A.	Department Public Works	Public Affairs	875 Stevenson St	Rm 410	San Francisco	CA 94103	558-4043		558-4519	R
Casey	F.	Department Public Works	Street Use & Mapping	1660 Mission St.	1st Flr	San Francisco	CA 94103	554-5827		554-5843	R
Casey	M.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5851		554-6161	R
Chono	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6196		554-6161	s R
Elsner	N.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6199		554-6161	R
Escalona	M.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5814		554-6161	R
Ferreira	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6192		554-6161	R
Gigliati	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5874		554-6161	R
Gulbengay	H.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5860		554-6161	R
Hansen	A.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5861		554-6161	R
Hom	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5809		554-6161	R
Horn	R.	Department Public Works	Street Use & Mapping	1660 Mission St.	1st Flr	San Francisco	CA 94103			554-5843	R
Kazemi	A.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6209		554-6161	R
Kimp	C.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5870		554-6161	R
Kuo Hoo	W.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-5863		554-6161	R
Lopez	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6201		554-6161	R
Low	K.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	558-6059		554-6161	R
Naizghi	E.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6198		554-6161	R
Quan	R.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6196		554-6161	R
Trimbur	T.	Department Public Works	Street Use & Mapping	875 Stevenson St	Rm 460	San Francisco	CA 94103	554-6167		554-6161	R
Baker	M.	Department Public Works	Urban Forestry	2323 Army St		San Francisco	CA 94124	695-2162		695-2175	R

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Purvis	J.	Dept City Plann		1660 Mission St.		San Francisco	CA 94103	558-6354			R
Tannen	P.	Dept Parking & Traffic	Bicycle Program	25 Van Ness Avenue		San Francisco	CA 94102	554-2396			R
Collins	E.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4074		715-4097	R
Danich	M.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Jacobs	J.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Pickens	C.	Dept Parking & Traffic	Paint Division	80 Charter Oak St.		San Francisco	CA 94124	715-4704		715-4079	R
Broady	S.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2326		554-2352	R
Jindal	R.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2330		554-2333	R
Quan	H.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2319		554-2352	R
Rand	M.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2300		554-2352	R
Yee	B.	Dept Parking & Traffic	Traffic Engineering	25 Van Ness Avenue	Ste 345	San Francisco	CA 94102	554-2307		554-2352	R
Shop Manager		Dept Parking & Traffic	Traffic Sign Shop	1999 Bryant St		San Francisco	CA 94110	554-9780		431-714C	R
		Dresser Areia	Construction Inc	4447 Stoneridge Dr	Ste 2	Pleasanton	CA 94588	510-485-1711		510-485-1715	R
Main Library		Government Information	Agendas		5th Flr	San Francisco	CA 94102				2 M
Hoerning	B.	ICG Access Serv		180 Grand Avenue	St 1000	Oakland	CA 94612	510-769-5737		510-769-5737	M
Williams	O.	Jefferson Co.		3652 Sacramento St		San Francisco	CA 94118	673-3011		673-1597	R
Licari	R.	Metropolitan Fiber	Operations Support	444 Market Street	St 1350	San Francisco	CA 94111	362-3300			M
Wong	H.	Muni Overhead Lines		2502 Alemeda Street		San Francisco	CA 94103	554-9201			M
Wyllie	J.	Navigation Technology		111 Lynch Creek Way		Petaluma	CA 94954	707-763-2024			R
Murray	D.	P G & E	Dir Capital Improvement	2180 Harrison St		San Francisco	CA 94110	695-3523		695-329C	R
Labberton	P.	P G & E	Gas Department	2180 Harrison St		San Francisco	CA 94110	695-3243		695-3525	M
Lopipero	J.	P G & E	Gas Department	2180 Harrison St		San Francisco	CA 94110	695-3320		695-3291	6 R
Baker	C.	P G & E	Pipeline Replacement	2180 Harrison St		San Francisco	CA 94110	695-3337		695-3291	R
Madrid	B.	P G & E	Pipelines	2180 Harrison St		San Francisco	CA 94110	695-3492		695-3291	R
Munoz	G.	P G & E	Service Planning	2180 Harrison St	2nd Flr	San Francisco	CA 94110	695-3550		695-3525	R
Wilson	W.	P G & E	Service Planning	2180 Harrison St	2nd Flr	San Francisco	CA 94110	695-3541		695-3525	R
Sams	G.	Pacific Bell		610 Brannan Street		San Francisco	CA 94107	542-7428		545-9019	R
Vowell	C.	Pacific Bell		666 Folsom Street	Rm 1121	San Francisco	CA 94107	542-9095		957-5973	R
Ohlssen	D.	Pacific Bell	Engineering	666 Folsom Street	Rm 1121	San Francisco	CA 94107	542-9095		957-5973	3 R

NAME		ORGANIZATION		ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Lemmon	D.	Public Utilities Comm	Bureau Light Heat Power	1155 Market St	4th Fl	San Francisco	CA 94103	554-0728		554-1854	M
Lameyse	V.	Public Utilities Comm	Hetch Hetchy Water	1401 Bryant St		San Francisco	CA 94103	695-7223			M
Kascal	C.	Public Utilities Comm	MUNI Overhead	1145 Market St	6th Flr	San Francisco	CA 94103	554-1803		554-1837	R
Hintze	E.	Public Utilities Comm	Utilities Engr Bureau	1155 Market St	4th Fl	San Francisco	CA 94103	554-0707		554-1854	M
Almasi	M.	Public Utilities Comm	Utility Engineering	1145 Market St	6th Flr	San Francisco	CA 94103	554-3238		554-1837	M
Bavishi	K.	Public Utilities Comm	Utility Engineering	1145 Market St	6th Flr	San Francisco	CA 94103	554-1884		554-1837	R
Van Dyke	S.	S F Fire Department		260 Golden Gate Ave	Rm 219	San Francisco	CA 94102	861-8000			M
Straus	P.	S F Municipal Railway	Planning Section	949 Presidio Avenue		San Francisco	CA 94115	923-6100			R
Zeller	S.	S F Port Commision		Ferry Building		San Francisco	CA 94111	274-0552		274-0528	M
		S F Redevelopment	Engineering Div	770 Golden Gate Ave	2nd Flr	San Francisco	CA 94102	749-2447		749-2565	M
Gapulte	D.	S F Water Department	CDD Engineering	1990 Newcomb	Rm 112	San Francisco	CA 94124	550-4927		550-4913	R
Flewellen	S.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2526		923-250C	R
Huie	B.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2523		923-250C	R
Lew	D.	S F Water Department	Commercial Division	425 Mason St	1st Flr	San Francisco	CA 94102	923-2520		923-250C	R
Blue	R.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4926		550-4913	M
Chan	A.	S F Water Department	Distribution Engineering	1990 Newcomb	Rm 114	San Francisco	CA 94124	550-4931		550-4913	R
Davilla	D.	S F Water Department	Distribution Engineering	1990 Newcomb	Rm 114	San Francisco	CA 94124	550-4928		550-4913	R
Pelayo	J.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4916		550-4913	R
Poblete	R.	S F Water Department	Distribution Engineering	1990 Newcomb		San Francisco	CA 94124	550-4917		550-4913	R
Evans	G.	S F Water Department	New Installations	425 Mason St	1st Flr	San Francisco	CA 94102	923-2521		923-250C	R
Lee	C.	S F Water Department	UEB Construction	1990 Newcomb		San Francisco	CA 94124	550-4925		550-4913	R
Ronis	J.	S F Water Department	UEB Construction	1990 Newcomb		San Francisco	CA 94124	550-2976		550-4913	R
Judd	G.	San Francisco Thermal		460 Jessie Street		San Francisco	CA 94103	771-3415		771-3787	M
Freeman	D.	Sprint Communications		1850 Gateway Drive	5th Flr	San Mateo	CA 94404-2467				M
Bouey	T.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3354	863-1659	M
Callow	M.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-2292	863-1659	R
Hagerla	R.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3355	863-1659	M
Santos	E.	TCI of California		2055 Folsom St		San Francisco	CA 94110	863-8500	x-3356	863-1659	M
MacKay	W.	Teleport Communications		1 Bush Street	Ste 510	San Francisco	CA 94101	276-0070		276-005C	R

NAME		ORGANIZATION	ADDRESS		CITY	ZIP	PHONE	EXT	FAX	flg
Wright	R.	Teleport Communications	1 Bush Street	Ste 510	San Francisco	CA 94104	276-0083		276-005C	M
		US SPRINT	P O Box 7501		San Mateo	CA 94403-7501				M

ATTACHMENT D

Muni F-Line Summary

MUNI
San Francisco Municipal Railway • 1145 Ma

Post-it® Fax Note 7671	Date 12/3 # of pages ▶ 2
To Joe NORRIS	From E. EVANGELISTA
Co./Dept.	Co.
Phone #	Phone #
Fax # 554-8243	Fax # 554-1881

TO: Joe Norris
DPW, Office of Capital Resources Management

FROM: Ernie Evangelista
PTD, Muni Capital Engineering

DATE: December 3, 1996

Per your request, here are the information on the F-Line Fisherman's Wharf Loop Project I presented during the Cul Cop Meeting last November 14, 1996.

- **Project**
  Muni F-Line Fisherman's Wharf Loop North Point Street to Jones Street (Contract No. MR-1112)

- **Project Team Member**

Don Chee - Project Manager	554-1825
Tad Jadkowski - Construction Resident Engineer	522-5789
Ernesto Evangelista - Project Engineer	554-1881

- **Scope of Work**
  The work is located along the Embarcadero from Broadway to Powell Streets, Jefferson Street from Powell to Jones Streets, Jones Street from Jefferson to Beach Streets and Beach Street from Jones Street to the Embarcadero

  A. Trackwork
  The work includes vertical and horizontal aligemnt of the rail, construction of reinforced concrete track slab and directly placing the rail on top of the track slab by direct fixation. The track reserved right of way, 12 to 13 foot wide along Jefferson Street, Jones Street and Beach Street will be installed with smooth granite stone paver, construction of four Muni boarding stops and handicap accessible ramp and platform, installation of special trackwork turnaround at Stockton Street in front of Pier 39 Garage.

  B. Roadway Work
  The work includes roadway reconstruction, cold planing and asphalt repaving, construction of curb, gutter, curb ramp and sidewalk reconstruction.

  C. Water Department Work
  Work includes replacement of water main pipes, valves and fire hydrants, and retaping or replacing of service pipe.

D. Sewer and Drainage Work

Work includes replacement of drainage pipe and sewer lateral pipe under the track right of way, removal and replacement of catch basin and sewer trap and televising the existing sewer lateral to assess their condition.

E. Electrical Streetlighting and Traffic Signal

Work includes construction of Muni electrical duct bank for feeder cable, installation of conduit and cable for streetlighting and traffic signal, installation of streetlight fluted pole with acorn light.

F. Landscape Work

Work includes removal and replacement of existing trees impacted by Muni trackwork and planting additional trees.

G. Overhead Work

Work includes installation of overhead contact system, installation of fluted overhead trolley pole with bracket arm, ornament scroll and banner arms.

H. AWSS Work

Work includes removal and installation of new pipes and fire hydrants at Jefferson Street and Jones Street, Jones Street and Beach Street intersections, and pipe encasement at Powell Street and Beach Street intersection.

I. Traffic Regulation Work

Work includes furnishing installation and relocating traffic signs and parking prohibition signs, water filled crash barriers, barricades and flashes, delineators, solar powered flashing arrow signs and pedestrian barricades to provide for lane shifting. Provide temporary plating and bridging required by the Contractor's operations and providing flag person

J. Triangle Area Work

This work is located in the north side of intersection of Jefferson Street and the Embarcadero and works include roadway reconstruction curb and curb ramp, drainage work, sidewalk with granite pavement, landscaping and irrigation and electrical lighting work.

- **Schedule**

  The Bid Opening Date was November 15, 1996. Schedule start of construction is February, 1997 and Construction Duration is 760 calendar days including summer and Christmas season moratorium.

- **Engineer's Estimate:** **$13,500,000**

- **Impact**

  The F-Line Fisherman's Wharf Loop North Point Street to Jones Street will provide a terminal loop for the F-Market historic streetcar that will bring commuters and tourist from Market Street to Fisherman's Wharf and Pier 39.

UPCOMING STREET CLOSURES FOR SPECIAL EVENTS

EVENT	START DATE	END DATE	TYPE	STREETS	OK
UPS CUSTOMER PARKING FOR	12/2/96	12/24/96		SAN BRUNO: 16TH AND 17TH STS.	10/24/97
CHANUKA OBSERVANCE	12/5/96	12/5/96		34TH AVE:BALBOA TO 100FT.SOUTHERL	11/13/96
CHANUKA OBSERVANCE	12/6/96	12/6/96		34TH AVE:BALBOA TO 100FT.SOUTHERL	11/13/96
CHANUKA OBSERVANCE	12/7/96	12/7/96		34TH AVE:BALBOA TO 100FT.SOUTHERL	11/13/96
HAMLIN SCHOOL HOLIDAY FAIR	12/7/96	12/7/96		BROADWAY:BUC TO WEB	7/11/96
49ERS VS CAROLINA	12/8/96	12/8/96		CANDLESTICK (1 PM)	
CHANUKA OBSERVANCE	12/8/96	12/8/96		34TH AVE:BALBOA TO 100FT.SOUTHERL	11/13/96
50TH ANNIVER. 49'ERS	12/8/96	12/10/96		GROVE: LARKIN TO POLK	11/21/96
CHANUKA OBSERVANCE	12/9/96	12/9/96		34TH AVE.BALBOA TO 100FT.SOUTHERL	11/13/96
CHANUKA OBSERVANCE	12/10/96	12/10/96		34TH AVE:BALBOA TO 100FT.SOUTHERL	11/13/96
MUNI CELEBRATION	12/10/96	12/10/96		S/B EMB:HOW TO HAR,FOL:STU TO EMB	
CHANUKA OBSERVANCE	12/11/96	12/11/96		34TH AVE:BALBOA TO 100FT.SOUTHERL	11/13/96
CHANUKA OBSERVANCE	12/12/96	12/12/96		34TH AVE:BALBOA TO 100FT.SOUTHERL	11/13/96
FILM SHOOT "DESPERATE MEA	12/14/96	12/14/96		STEVENSON.6TH ST. TO 7TH ST.	11/21/96
MIS. NEIGHBORHOOD HEALTH	12/14/96	12/14/96		SHOTWELL.16TH TO 17TH STS	11/14/96
TOY GIVEAWAY	12/14/96	12/14/96		JONES: EDDY TO TURK	
JINGLE BELL RUN FOR ARTHRI	12/15/96	12/15/96	ATHLET	VARIOUS LOCATIONS	11/14/96
KGO FOOD DRIVE	12/16/96	12/16/96		POST:POW TO STO:1 SOUTHERLY LANE	
SOAPBOX DERBY	12/21/96	12/21/96	ATHLET	VALLEJO: JONES TO HYDE	11/14/96
49ERS VS DETROIT	12/23/96	12/23/96		CANDLESTICK (6 PM)	
SAN FRANCISCO NEW YEAR'S	12/29/96	1/2/97		MKT:STU TO SPR;SPR&STU:MKT TO MIS	10/24/97
SAN FRANCISCO NEW YEAR'S	12/30/96	1/2/97		S/B EMBARCADERO: WAS TO MIS	10/24/97
SF ZOO RUN	1/19/97	1/19/97	ATHLET	HERBST RD; GREAT HWY:SKYLINE TO LI	
SF HALF MARATHON	1/26/97	1/26/97	ATHLET	FELL&OAK: STANYAN TO BAKER	10/24/96
21ST ST MURAL PROJECT	1/31/97	1/31/97		21ST ST: CAPP TO MISSION	11/14/96
FLOWER STREET FAIR	1/31/97	2/2/97	FAIR	GRA:JAC TO BWD; PAC:STO TO COL	6/27/96
COMMUNITY STREET FAIR	2/21/97	2/23/96	FAIR	GRA:JAC-BWD;PAC:STO-COL;JAC:STO-G	6/27/96
HOULIHAN'S TO HOULIHAN'S	3/23/97	3/23/97	ATHLET	MARINA BLVD:BUC TO BAKER (1 LANE O	10/24/96
GREAT SKATES ESCAPE	4/26/97	4/26/97		GREAT HWY: FULTON TO SLOAT	
BLACK & WHITE BALL	5/10/97	5/10/97		VARIOUS LOCATIONS:S/B EMBARCADER	
BAY TO BREAKERS	5/18/97	5/18/97	ATHLET	VARIOUS LOCATIONS	
CALIFORNIA MILLE	5/19/97	5/20/97		MASON:CALIFORNIA TO SACRAMENTO	10/24/96
ESCAPE FROM ALCATRAZ	6/1/97	6/1/97	ATHLET	VARIOUS LOCATIONS	
HAIGHT STREET FAIR	6/8/97	6/8/97		HAIGHT:MASONIC TO STANYAN ETC.	11/14/96
GREAT BIKE ESCAPE	6/14/97	6/14/97		GREAT HWY: FULTON TO SLOAT	
SKATES BY THE BAY	6/21/97	6/21/97	ATHLET	VARIOUS LOCATIONS:THE EMBARCADE	
PERRY'S TO PERRY'S 10 K RUN	6/22/97	6/22/97	ATHLET	VARIOUS LOCATIONS: FINANCIAL DIST.	10/24/96
ALCATRAZ TRIATHLON XVII	6/28/97	6/28/97		VARIOUS LOCATIONS GREAT HWY;MARI	
SF LESBIAN GAY CELEBRATION	6/28/97	6/29/97			
SF LESBIAN GAY PARADE	6/29/97	6/29/97		MARKET ST.	
SF MARATHON	7/13/97	7/13/97	ATHLET	VARIOUS LOCATIONS	10/24/96
UP YOUR ALLEY FAIR	7/27/97	7/27/97	FAIR	DORE:HOW TO FOLSOM; FOL:9TH TO 10	
CHASE CORP. CHALLENGE	8/13/97	8/13/97	ATHLET	MKT:MAIN TO STU; STU:MKT TO MIS	
SF HILLSTRIDE WALK	9/21/97	9/21/97	ATHLET	HYDE:LOM TO JEF (S/B CURB LANE ONLY	10/24/96

UPCOMING STREET CLOSURES FOR SPECIAL EVENTS

EVENT	START DATE	END DATE	TYPE	STREETS	OK
FOLSOM ST. FAIR	9/28/97	9/28/97	FAIR	FOLSOM:7TH TO 12TH ETC.	
BRIDGE TO BRIDGE	10/5/97	10/5/97	ATHLET	VARIOUS LOCATIONS: FERRY BLDG TO F	
RUN TO THE FARSIDE	11/30/97	11/30/97	ATHLET	OAK & FELL: STANYAN TO BRODERICK	

Department of Public Works **Bureau of Street-Use & Mapping**

UNDERGROUND PLANNING MEETING

MEETING DATE: November 5, 1996

PRESENT:	Tom Trimbur	-	DPW/BSM	(554-6167)
	Peter Albert		DCP	(558-6310)
	John Fadeff	-	DPW/BSM	(554-5830)
	Terry Bouey	-	VIACOM	(863-8500)
	Patricia Healy	-	PG&E	(695-3394)
	Dave Ohlssen	-	PacBell	(542-9095)
	Cindy Vowell	-	PacBell	(542-9095)
	Don Stroh	-	Dolores Hts. Improv. Club	(826-8296)
	Amy Powell	-	Dolores Hts. Improv. Club	(647-4228)

DISCUSSION:

A. PROJECT STATUS

1. UGD 318 - DOLORES HEIGHTS ASSESSMENT DISTRICT

PHASE 1 - Work progressing, estimated that substructure approximately 40% completed. Scheduled completion date for substructure work 20th December.

Denise Brady and is talking with MUNI to finalize proposal for telephone switching box at 22nd and Church.

PHASE 2 - PG&E proceeding with preliminary design.

2. UGD 310 - PRESIDIO HEIGHTS

PHASE 1 - Three properties remain to be converted to accept utilities underground. Mr. Trimbur will pursue informal contracts for all three. He will need three bids for and requested some help from PG&E in contacting contractors to submit bids.

Friends of the Urban Forest have a tree planting scheduled for 23 November. Trees are scheduled to go in where utility poles are currently located at 2116 Lyon (at Washington) and at 3242 Washington (at Lyon). PG&E to do their best to remove these poles.

PHASE 2 - Composites approximately 60% complete. City has written Draft Proposal to Tom Evans for joint contracting and having PG&E contractor install streetlights.

Ms. Healy reported that an Friends of the Urban Forest planting will be occurring soon an that there are some conflicts with proposed utility box placements. She indicated that some re-design will be required to move box locations. Mr. Trimbur indicated that residents wishes for tree locations should be honored.

3. UGD 319 - HARRISON STREET BETWEEN 10TH & 11TH

Mr. Trimbur has reviewed PG&E material and will be pursuing having service terminated. He will draft a letter for PG&E's review and comment and will work with Ms. Healy to insure that proper procedure is developed and followed. They will work together in reviewing all the language in the notices so that service termination is a feasible alternative.

4. UGD 320 - BREWSTER/JOY

Mr. Albert sent a letter to the stragglers who had not converted. Mr. DeAnda estimated that approximately half the properties had been converted and that, although slowly, the remainder were coming along.

Trenching for substructure has begun. PG&E crews doing work.

5. UGD 321 - INDIANA STREET/ISLAIS CREEK

No report.

B. OTHER BUSINESS

1. Mr. Ohlssen introduced Cindy Vowell, a former PacBell employee now under contract, who will be working on undergrounding projects.

2. Mr. Albert reported that the walk-through of the Banks/Chapman area went very well and expressed appreciation for PG&E's efforts to accommodate the wishes of the community.

3. Mr. Trimbur reported that the legislation for Cesar Chavez, Duboce/Church, Gough/Green, and Inner Sunset had all been approved by the Board of Supervisors.

4. Mr. Trimbur distributed copies of conversion details from former DPW contracts. One detail is for conversions where property owner is uncooperative and will not permit entry to property. In this case, conduit is run up the side of the building from the underground service and connected to the wires on the existing weatherhead. He requested that the utilities review the drawings and indicate any problems that they may have with this solution.

5. PG&E requested a schedule for Cesar Chavez widening. There was some discussion on who would be the trenching agent on that project.

THE NEXT MEETING WILL BE HELD ON TUESDAY, 3 DECEMBER, AT 9:00 A.M. AT 875 STEVENSON STREET, FOURTH FLOOR, BSM CONFERENCE ROOM.

cc: All Attendees
CULCOP - thru Joe Norris
Ray Gigliati - BSM
Hin Lok Kung - BOE
Jack Donohoe - DET
Charles Germer - PG&E
Manfred Wong - PMD
Lynn Bunim - PacTel
Chris Southard - PG&E
Charles Yu - BOE/S&H
Amy Powell - DHIC
Brian Christiansen - Duboce Triangle Neigh

Carlos DeAnda - PG&E
Denise Brady - BSM
Cynthia Chono - BSM
Ray Yamagishi - BLHP
Larry Fitzgerald - MUNI
Sam Lauter - PG&E
Carol Finucane - BOE
Carlos DeAnda - PG&E
Brian Gatter - BOE/Landscape
Lynn Nakasato - BOE/S&H
Chris Baker - PG&E

Joe Morino - DHIC
Norman Chan - BOE
Tom Flahavan - DET
Mike Callow - VIACOM
Dee Lemmon - BLHP
Joe Ovadia - PMD
Naoki Kaku - BOE
Lesley Wong - BOE/S&H
Don Murray - PG&E
Nelson Ogimoto - BOE/EE
John Katz - MUNI

City and County of San Francisco

Department of Public Works
OFFICE OF CAPITAL RESOURCE MANAGEMENT

UTILITY COORDINATION REPORT

for November 1, 1996 to November 30, 1996

Notice of Intent and Request for Information Issued:	**Date**
1145N - Bernal Heights Street Improvement, Banks /Chapman Area	11/01/96
1374N - 27th/Noe Streets Stairway and Sidewalk Construction	11/01/96
1376N - Jackson Street Sewer replacement, Kearny Street to Grant Avenue	11/04/96
1372N - Beach Street Sewer Replacement - Larkin Street to Hyde Street	11/06/96
1001H - 911/OES Emergency Communications Center (NOI & LOT)	11/25/96
1393N - Bush/Kearny/Post Streets Sewer Replacement	11/27/96

Final Preliminary Plans Issued:	
1245N - Yosemite/Egbert Sewer Enlargement Project (formerly 3180W)	11/04/96
1198N - Various Locations Concrete Reconstruction #12	11/06/96
1083N - Lyon Street and Presidio Avenue Pavement Renovation	11/22/96
1109N - Cesar Chavez (Army) Street Widening	11/27/96

State of California:

Other:	
Proposed Changes in Official Sidewalk Width on the Southwesterly Side of Jack London Alley between South Park and Varney Place	11/22/96
Proposed Street Vacation of Cohen Place off Ellis Street near Leavenworth Street	11/22/96

PROJECTS IN PROGRESS (NOI)

Revised: 12/2/96

PRJ #	Project Coordinator	PH #	Project Title
-----N	Gene Handa	554-8341	Sunnydale Sewer Improvements
1001H	Paul Travis	557-4631	911/OES Emergency Communications Center
1004N	Rufino De Leon	554-8945	Evans Avenue at Post Office: Street Regrading (PR)
1036N	Lesley Wong	554-8252	Fourth Street (PR)
1091N	Ed Choy	554-8284	Various Locations South of Market Removal & Pavement Renovation
1100N	Martha Ketterer	554-8296	Ecker Street, Mission Street to Elim Alley
1109K	Thing Nguyen	558-4554	Underground Storage Tank Replacements, Various Locations
1133N	Ramon Kong	554-8256	Fulton Street Roadway Widening
1138N	Iqbal Dhapa	554-8337	Fairmont and Randall Streets (SR)
1148N	Naoki Kaku	554-8246	Bernal Heights Street Improvement, Banks/Chapman Area
1148N	Bhula Patel	554-8324	Moulton from Webster to Buchannan Streets (SR)
1155N	Birgit Chase	554-8336	Chestnut Street - Pacific Avenue (SR)
1168N	Johnny Villasica	554-8338	Florida Street (SR)
1148N	Bhula Patel	554-8324	Grant Avenue - Chestnut Street (SR)
1202N	Linda Leong	648-6882	North Point Plant Improvement, Phase II
1210W	Peter Cheng	554-8348	Westside Activation: Sewer Construction
1218N	Cliff Wong	554-8336	Market , Larkin and Harrison Streets (SR)
1239W	Wallis Lee	554-8348	Rankin Pump Station SWEPCP 1 & 1A
1243E	Ronald Cheng	558-4049	Marina Seawall and Roadway Improvement
1253N	Iqbal Dhapa	554-8337	Twelfth Street (SR)
1272N	Steve Bui	554-8298	Illinois-Cesar Chavez (Army) Streets Sewer Construction
1294n	Leon Louie	558-4070	Fourth Street Bridge Fender Repair Project
1322N	Lesley Wong	554-8252	Cabrillo Street, 9th and 16th Avenues Pavement Renovation
1372N	Iqbal Dhapa	554-8337	Beach Street Sewer Replacement - Larkin Street to Hyde Street
1374N	Naoki Kaku	554-8246	27th/Noe Street Stairway and Sidewalk Construction
1376N	Iqbal Dhapa	554-8337	Jackson Street Sewer Replacement, Kearny St. to Grant Ave.
1384N	Thomas Won	554-8275	Glover Street Sewer Replacement Leavenworth St. to Jones St.
1393N	Thomas Won	554-8275	Bush/Kearny/Post Streets Sewer Replacement
6094Q(4)	Deanna Calleros	554-8266	Mid Embarcadero Project
6497E	Edward Chin	554-8411	The New Chinatown Park (Sidewalk Reconstruction)
7034E(A)	Laurie Lau	558-4530	Fillmore Street Overcrossing at Geary Expressway Seismic Retrofit
7034E(B)	Laurie Lau	558-4530	Webster Street Pedestrian Overcrossing at Geary Expressway Seismic R
7034E(C)	Laurie Lau	558-4530	Seismic Retrofit of Market Viaduct at 24th Street
7034E(D)	Chris Nocon	558-4054	Steiner Street Pedestrian Overcrossing at Geary Expressway Seismic Re
7090E	Andrew Shum	431-9430	Various Locations Motorized Valves Contract #2
7090E	Edward Chin	554-8411	Hang Ah Alley Renovation
7130E(A)	Laurie Lau	558-4530	Portola Drive Pedestrian Overcrossing at Kensington Way Seismic Retrof
7130E(B)	Chris Nocon	558-4054	Ingerson Avenue Viaduct Seismic Retrofit
7179E	Pak Choi	554-8283	Richmond Transport
7223E	Ramon Kong	558-4055	Oakdale Avenue Bridge Replacement
7226E	Mr. Ron Fong	554-8273	Various Locations Construction of Curb Ramps/Cuts
7233E	Ms. Su-Syin Chou	554-8350	Market Street Sidehill Viaduct #3 Seismic Retrofit
7243E	Saed Toloni	554-8325	Pemberton Stair Reconstruction
7291E	Naoki Kaku	554-8946	Various Locations in the Sunset District Pavement Renovation
7271E	Greg S. Cruz	554-8268	Various Locations: Haight-Ashbury &Mission District Pavement Renovati
7294E	Ramon Kong	554-8256	Lombard Street, Montclair Terr Street Improvement
7291E	Rufino De Leon	554-8245	Ocean, San Jose Avenue, Junipero Serra Blvd Pavement Reconstruction
7294E	Clifford Wong	554-8325	Kirkham Street & 23rd Avenue Phase 2 (SR)
7381E	Fernando Cisneros	554-8278	Hunter's Point Naval Shipyard Infrastructure Backbone Phase I
7437E	Deanna Calleros	554-8266	Howard, Folsom & Hawthorne Streets (SR)
7455E(Ne	Narciso Paderanga	554-8258	Florida, Indiana, Wisconsin and 19th Streets Pavement Renovation (side
7458E	Greg S. Cruz	554-8268	Clay Street, Gough to Drumm Streets Pavement Renovation
7474E	Christine Tang	553-8331	Pine/California/Delancey Streets Sewer Replacement
7519E	Steve Bui	554-8298	Golden Gate Park Bond Projects

PROJECTS IN PROGRESS (NOI)

Revised: 12/2/96

PRJ #	Due Date	AT&T	DPT	Env. Eng.	BLHP / HHWP	Hydraulic	MCI	Mech.	MFS
----N	07/03/96 - N	7/11/96	7/16/96		6/17/96		7/14/96	6/18/96	6/25/96
1001H	**12/06/96 - N**								
1004N	09/06/94 - N	8/16/94	8/15/94		8/16/94	8/10/94	8/15/94	8/9/94	8/23/94
1036N	08/10/95 - N	9/20/95	8/14/95			8/9/95	9/8/95	7/12/95	8/31/95
1091N	07/21/96 - N	7/11/96	7/24/96	7/3/96		7/10/96		7/2/96	6/27/96
1100N	01/08/96 - N		12/18/95		5/14/96		2/16/96	12/11/95	12/21/95
1109K	09/27/96 - N	9/25/96	11/22/96			9/17/96			9/25/96
1133N	09/05/95 - N	9/20/95	8/9/95				9/20/95	8/14/95	8/31/95
1138N	07/24/95 - N	1/3/96					2/7/96	11/17/95	12/21/95
1145N	**12/02/96 - N**	11/8/96						11/7/96	
1148N	09/25/95 - N	9/20/95	9/27/95					9/1/95	8/31/95
1155N	09/28/95 - N	9/20/95	9/19/95		9/7/95			9/1/95	8/31/95
1168N	10/11/95 - N				9/12/95			9/19/95	9/29/95
1188N	10/30/95 - N	11/14/95	10/5/95				2/7/96	10/5/95	12/21/95
1202N	01/30/96 - N				1/29/96	1/16/96			
1210W	11/13/93 - N		10/22/93		10/20/93		11/1/93	10/20/93	
1218N	03/29/96 - N	3/22/96	3/20/96	3/1/96				3/14/96	
1239W	08/31/93 - N	8/23/93	3/30/94		8/24/93		8/27/93		
1243E	04/12/96 - N	3/29/96		3/25/96		3/19/96	4/23/96	3/27/96	
1253N	04/07/96 - N	3/22/96		3/14/96				3/27/96	
1272N	05/10/96 - N	5/1/96	4/22/96	4/23/96	8/3/96		4/23/96	4/19/96	
1294n	**12/18/96 - N**	10/25/96	10/18/96			10/9/96		10/24/96	
1322N	11/04/96 - N	10/25/96	10/18/96			10/17/96		10/9/96	10/23/96
1372N	**12/06/96 - N**	11/11/96						11/8/96	
1374N	**12/02/96 - N**	11/8/96						11/7/96	
1376N	**12/04/96 - N**	11/8/96						11/7/96	
1384N	11/25/96 - N	10/31/96						11/6/96	11/5/96
1393N	**12/13/96 - N**								
6094Q(4)	09/20/96 - N								
6497E	08/15/94 - N	7/26/94	8/2/94				8/1/94	8/1/94	7/21/94
7034E(A)	12/08/95 - N	1/3/96			12/6/95		2/15/96	11/20/95	12/21/95
7034E(B)	12/08/95 - N	1/3/96			12/6/95		2/16/96	11/20/95	12/21/95
7034E(C)	04/01/96 - N					3/6/96	4/23/96	3/11/96	
7034E(D)	07/20/96 - N	7/11/96		7/3/96		7/16/96	7/11/96	7/2/96	6/27/96
7090E	03/09/95 - N	3/2/95	3/21/95			2/16/95			2/17/95
7094E	02/24/95 - N	3/6/95	3/17/95			3/1/95	3/13/94	3/1/95	5/3/95
7130E(A)	12/08/95 - N	1/3/96			12/6/95		2/1/96	11/20/95	12/21/95
7130E(B)	07/20/96 - N	7/11/96		7/3/96		7/16/96		7/2/96	6/27/96
7179E	07/21/96 - N	7/11/96	7/22/96	7/3/96		7/10/96		7/2/96	6/27/96
7223E	11/24/95 - N	11/28/95					2/1/96	11/13/95	12/21/95
7226E	09/16/94 - N	7/14/94	8/1/94		9/20/94	7/27/94	7/25/94		7/21/94
7233E	06/28/93 - N				6/10/93	6/10/93	8/5/93	6/1/93	
7243E	07/23/93 - N				7/22/93		7/6/93		
7261E	10/17/93 - N						10/15/93	9/22/93	
7271E	05/07/94 - N	4/22/94			5/3/94	4/13/94	5/3/94	4/8/94	
7284E	03/07/94 - N		2/24/94			2/9/94	3/8/94	2/9/94	
7291E	07/23/93 - N				8/9/93		7/6/93	7/12/93	
7294E	06/28/93 - N				6/10/93		6/4/93	6/16/93	
7381E	11/25/96 - N	10/31/96	11/13/96	11/1/96		10/30/96		11/6/96	11/5/96
7437E	01/30/95 - N	1/23/95	1/25/95			1/9/95	2/21/95	1/3/95	
7455E(Ne	07/27/96 - N	8/22/96		8/22/96	8/27/96	8/23/96	8/22/96	9/20/96	
7458E	05/25/94 - N	5/16/94			5/3/94		5/27/94	4/27/94	
7474E	10/28/96 - N	10/25/96	10/10/96						
7519E	03/10/95 - N	2/28/95					2/27/95	2/22/95	

PROJECTS IN PROGRESS (NOI)

Revised: 12/2/96

PRJ #	MUNI	Pac Bell	PGE-G	PGE-E	Project Develop.	SF Thermal	SFWD	SPRINT	Struct.
-----N	7/16/96	7/1/96			6/21/96	6/26/96	7/1/96		6/25/96
1001H									
1004N	8/8/94	8/12/94			9/16/94	8/29/94		8/22/94	8/5/94
1036N	7/13/95	7/24/95			7/20/95	7/25/95		7/24/95	7/31/95
1091N	8/5/96	7/22/96			7/26/96	6/28/96		7/8/96	6/27/96
1100N	12/11/95	12/28/95			12/8/95	12/20/95	1/3/96	12/14/95	12/18/95
1109K		9/20/96	10/31/96	10/31/96	10/24/96	9/13/96	9/12/96	9/17/96	9/12/96
1133N	8/10/95	8/22/95			8/2/95	8/11/95		8/15/95	8/9/95
1138N	11/15/95				11/15/95	11/20/95		11/28/95	11/16/95
1145N		11/25/96				11/13/96	11/14/96	11/20/96	
1148N	9/1/95	9/1/95			9/12/95	9/1/95		9/20/95	9/1/95
1155N	9/1/95	9/12/95			8/29/95	9/5/95		10/10/95	9/1/95
1168N		10/3/95			9/26/95	9/15/95	9/19/95	10/10/95	
1188N	10/5/95	10/24/95			10/10/95	10/10/95	10/11/95	10/16/95	10/3/95
1202N	1/18/96	2/2/96			1/18/96	1/16/96	1/19/96	1/31/96	1/17/96
1210W	10/18/93				6/24/96		10/20/93	11/9/93	
1218N	3/14/96	3/18/96			3/18/96			3/12/96	3/5/96
1239W	8/20/93	9/14/93					9/14/93	8/27/93	
1243E	4/15/96	3/25/96			4/2/96	3/25/96		3/27/96	3/22/96
1253N	3/14/96	3/18/96			4/8/96	3/25/96	3/12/96	3/18/96	3/11/96
1272N		4/23/96			4/18/96	4/17/96	4/18/96	5/1/96	4/17/96
1294n	11/7/96	10/28/96			11/19/96	10/25/96	10/25/96	10/31/96	
1322N		10/21/96	10/31/96	10/31/96		10/15/96		10/16/96	10/16/96
1372N		11/18/96			11/6/96	11/13/96	11/14/96	11/20/96	11/20/96
1374N		11/25/96			11/7/96	11/13/96	11/14/96	11/20/96	
1376N		11/18/96			11/6/96	11/13/96	11/14/96	11/20/96	
1384N	11/14/96	11/8/96			11/7/96	11/4/96	11/13/96	11/7/96	11/20/96
1393N									
6094Q(4)	8/29/96								
6497E	7/27/94	7/26/94			8/11/94	7/18/94	8/1/94	7/21/94	
7034E(A)	11/15/95	11/16/95			11/14/95			11/17/95	11/16/95
7034E(B)	11/17/95	11/16/95			11/14/95			11/17/95	11/16/95
7034E(C)	3/14/96	3/18/96			3/25/96		3/11/96	3/18/96	3/6/96
7034E(D)		7/10/96			6/25/96	6/26/96	7/8/96	7/8/96	
7090E	2/21/95	3/2/95			2/13/95	2/23/95		2/23/95	2/13/95
7094E	3/3/95	3/3/95				3/6/95		3/15/95	2/28/95
7130E(A)	11/17/95	11/20/95			11/22/95			11/17/95	11/16/95
7130E(B)		7/2/96			6/25/96	6/24/96	7/8/96	7/8/96	
7179E	8/5/96	7/22/96			7/5/96	6/28/96		7/8/96	6/27/96
7223E	11/3/95				11/2/95			11/16/95	10/30/95
7226E	7/11/94	8/12/94			7/11/94	9/20/94		7/18/94	9/29/94
7233E	6/1/93				6/9/94			6/7/93	
7243E	6/28/93						8/3/93	6/30/93	
7261E	9/23/93				10/15/93			9/28/93	
7271E	4/29/94	5/4/94			4/11/94	4/25/94		4/15/94	
7284E		6/17/94							
7291E	6/28/93							6/30/93	
7294E	6/15/93						6/3/93	6/7/93	
7381E	11/14/96	11/8/96				11/13/96	11/13/96	11/7/96	
7437E	1/5/95	1/23/95			1/12/95			1/12/95	1/4/95
7455E(Ne	8/29/96				9/3/96	8/22/96		8/22/96	
7458E	4/29/94	5/26/94			5/4/94	5/16/94		5/3/94	
7474E	10/31/96	10/10/96	10/31/96	10/31/96	10/23/96		10/9/96	10/16/96	
7519E	2/27/95	3/16/95			2/28/95	2/22/95	2/27/95	3/1/95	2/23/95

PROJECTS IN PROGRESS (NOI)

Revised: 12/2/96

PRJ #	TCG	TCI
-----N	7/3/96	7/1/96
1001H		
1004N	8/22/94	8/26/94
1036N	7/17/95	7/24/95
1091N	7/3/96	7/3/96
1100N	12/27/95	12/20/95
1109K	9/25/96	
1133N	8/14/95	9/1/95
1138N	12/27/95	
1145N		11/19/96
1148N		9/8/95
1155N		9/8/95
1168N	9/19/95	10/6/95
1188N	10/5/95	11/1/95
1202N		2/6/96
1210W		
1218N	3/27/96	3/7/96
1239W		9/10/93
1243E	3/27/96	3/21/96
1253N	3/27/96	3/22/96
1272N	5/28/96	4/23/96
1294n		10/24/96
1322N		10/24/96
1372N		11/19/96
1374N		11/19/96
1376N		11/19/96
1384N	11/5/96	11/19/96
1393N		
6094Q(4)		
6497E		
7034E(A)	12/27/95	11/20/95
7034E(B)	12/15/95	11/17/95
7034E(C)	3/27/96	3/20/96
7034E(D)	7/3/96	7/1/96
7090E	3/8/95	3/7/95
7094E	3/8/95	3/2/95
7130E(A)	12/15/95	11/20/95
7130E(B)	7/3/96	7/1/96
7179E	7/3/96	7/1/96
7223E	10/31/95	11/9/95
7226E	7/27/94	
7233E		
7243E		9/10/93
7261E		10/20/93
7271E	4/25/94	5/10/94
7284E		3/31/94
7291E		
7294E		
7381E	11/5/96	11/19/96
7437E	3/8/95	2/2/95
7455E(Ne	8/26/96	
7458E		5/10/94
7474E		10/10/96
7519E	3/8/95	3/7/95

Legend:

(FC) - FLOOD CONTROL
(PR) - PAVEMENT RENOVATION
(SR) - SEWER REPLACEMENT
(N or NOI) - LETTER OF NOTICE OF INTENT

PROJECTS IN PROGRESS (LOT)

Revised: 12/2/96

PRJ#	Project Coordinator	PH #	Project Title
1022N	Lesley Wong	554-8252	Haight and Page Streets Pavement renovation
1057N	Naoki Kaku	554-8246	Various locations Buena Vista district Pavement Renovation
1083N	Rufino de Leon	554-8245	Lyon Street and Presidio Avenue Pavement Renovation
1109N	Linda DeBolt	554-8265	Cesar Chavez (Army) Street Widening
1151N	Pak Choi	554-8283	Chinatown Lighting Improvements, Phase III
1184N	Pak Choi	554-8283	Various locations Concrete Street Reconstruction #10
1185N	Ken Chu	554-8271	Various Locations Conctete Street Reconstruction #11
1195N	Gyee Yang	558-4553	Market and Steuart Streets, AWSS Relocation
1198N	Rufino De Leon	554-8245	Various Locations Concrete Reconstruction #12
1203N	Birgit Chase	554-8336	Lyon/Baker/Washington Streets (SR)
1209N	Peter Cheng	554-8348	Larking Street/Greenwich Street (SR)
1219N	Peter Cheng	554-8348	Buchanan, Steiner and Pierce Streets Sewer Replacement
1221N	Bhula Patel	554-8324	Lyon, Sacramento and Post Streets Sewer Replacement
1245N	Wallis Lee	554-8344	Yosemite/Egbert Sewer Enlargment Project (formerly 3180W)
1252N	Peter Cheng	554-8348	Shotwell Street (SR & PR)
1255N	Bhula Patel	554-8324	San Jose Avenue (SR)
1256N	Birgit Chase	554-8336	21st/22nd/23rd Streets (SR)
1281N	Rufino De Leon	554-8245	Various Locations Hunters Point district Pavement Renovation
1293N	Rufino De Leon	554-8245	Galvez Avenue and Third Street Pavement Regrading

PROJECTS IN PROGRESS (LOT)

Revised: 12/2/96

PRJ#	Due Date	AT&T	DPT	Env. Eng.	SPRINT	BLHP/ HHWP	Hydraulic	MCI	Mech.
1022N	04/28/95 - T				4/4/95		4/4/95	4/28/95	3/30/95
1057N	06/29/96 - T	7/11/96		6/18/96			6/11/96	7/8/96	6/4/96
1083N	12/13/96 - T								
1109N	12/27/96 - T								
1151N	11/27/95 - T	11/14/95	11/16/95		11/16/95				11/13/95
1184N	09/06/96 - T	8/12/96			8/13/96		8/13/96		8/16/96
1185N	06/20/96 - T	5/29/96			5/29/96		5/21/96	7/8/96	6/4/96
1195N	07/20/96 - T			7/8/96	7/19/96				
1198N	12/06/96 - T	11/11/96			11/20/96		11/15/96		11/8/96
1203N	02/12/96 - T				2/12/96			3/5/96	1/31/96
1209N	06/20/96 - T	5/29/96			5/29/96			7/5/96	6/4/96
1219N	10/04/96 - T				9/13/96				9/12/96
1221N	04/04/96 - T			3/7/96	3/18/96			4/23/96	3/11/96
1245N	11/27/96 - T	11/8/96			11/20/96				
1252N	09/23/96 - T	9/4/96			9/4/96				
1255N	08/09/96 - T		7/15/96		7/22/96	8/9/96		8/8/96	7/22/96
1256N	09/27/96 - T				9/13/96				9/12/96
1281N	10/31/96 - T	10/17/96		10/17/96	10/31/96				10/24/96
1293N	07/20/96 - T			7/3/96	7/8/96		7/16/96	7/11/96	7/2/96

PROJECTS IN PROGRESS (LOT)

Revised: 12/2/96

PRJ#	MFS	MUNI	Pac Bell	PGE-G	PGE-E	Project Develop.	SFWD	SF Thermal	Struct.
1022N	5/3/95	4/4/95	4/4/95	4/28/95	4/28/95	4/28/95		4/5/95	4/6/95
1057N					7/15/96	7/23/96		6/10/96	
1083N									
1109N									
1151N	12/21/95	11/3/95				10/30/95			10/30/95
1184N		9/9/96	8/19/96			8/21/96		8/15/96	
1185N		6/7/96				6/18/96		5/29/96	
1195N		8/2/96				7/23/96		7/17/96	
1198N						11/8/96		11/13/96	
1203N			2/26/96	3/28/96				2/2/96	
1209N						6/18/96		5/29/96	5/24/96
1219N	9/25/96					9/9/96		9/13/96	9/9/96
1221N		3/14/96	3/22/96	4/30/96	4/30/96	3/25/96		3/7/96	3/6/96
1245N						11/8/96		11/13/96	
1252N	9/25/96	8/30/96				8/26/96		9/4/96	
1255N		7/31/96	7/30/96	8/8/96		7/22/96		7/17/96	
1256N	9/25/96		10/7/96			9/6/96		9/13/96	9/9/96
1281N		11/12/96					11/1/96		
1293N						6/25/96		6/26/96	

PROJECTS IN PROGRESS (LOT)

Revised: 12/2/96

PRJ#	TCG	TCI
1022N		4/12/95
1057N	6/18/96	6/11/96
1083N		
1109N		
1151N	10/31/95	11/9/95
1184N	8/28/96	9/9/96
1185N	6/18/96	5/30/96
1195N	7/30/96	7/15/96
1198N		11/19/96
1203N	3/27/96	2/28/96
1209N	6/18/96	5/30/96
1219N	9/25/96	9/18/96
1221N	3/27/96	3/22/96
1245N		11/19/96
1252N	9/25/96	9/9/96
1255N	7/31/96	
1256N	9/25/96	9/18/96
1281N		10/24/96
1293N	7/3/96	7/1/96

Legend:

(FC) - FLOOD CONTROL
(PR) - PAVEMENT RENOVATION
(SR) - SEWER REPLACEMENT
(N or NOI) - LETTER OF NOTICE OF INTENT

SF
85.93
2
2/12/96

DPW

COMMITTEE FOR UTILITY LIAISON ON CONSTRUCTION AND OTHER PROJECTS

UTILITY STREET OPENING AND UNDERGROUND CONSTRUCTION PLANNING

DOCUMENTS DEPT.
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MINUTES OF MEETING NO. 382

December 12, 1996

ATTENDANCE:

Department of Public Works

Bureau of Engineering

Dave Moore	558-4566

Office of Capital Resources Management

Amy Chow	554-8249
Joe Norris	554-8274
James Walsh	554-8272
George White	557-4740

Bureau of Street and Sewer Repair

☛ **(Representative not present)**

Bureau of Street Use Management

Rene Lopez	554-6201

Bureau of Construction Management

☛ **(Representative not present)**

DPW Public Affairs

Anna Wong	554-6928

Department of Parking and Traffic

☛ **(Representative not present)**

MUNI Engineering

Charles Kascal	544-1803
Mark Rudnicki	554-3235

PUC Sewer R&R

Henry Anderson	554-8329

San Francisco Port Authority

☛ **(Representative not present)**

Redevelopment Agency

☛ **(Representative not present)**

San Francisco Water Department
City Distribution Division

☛ **(Representative not present)**

Caltrans

Dean Drablos	330-6537
Tom Franklin	510-286-4424

Pacific Bell

Gilbert Sams	542-7428

Pacific Gas & Electric

☛ **(Representative not present)**

SF Thermal

☛ **(Representative not present)**

TCI

☛ **(Representative not present)**

Navigation Technologies

☛ **(Representative not present)**

Jefferson Company

Hilaire Dufresne	673-3011

Committee for Utility Liaison on Construction and Other Projects

MINUTES OF MEETING No. 382
December 12, 1996

The November 14, 1996 Minutes were accepted.

OLD BUSINESS

Caltrans Projects Mr. Franklin corrected the notice about the Caltrans home page in last month's minutes: "Eventually ***it is hoped that*** it will be possible to do permits via the Internet. Permit forms ***should*** be available via Internet sometime soon. At this time these are ambitions, not commitments. The manual has been up for about two years."

Mr. Franklin distributed copies of a report on the Central Freeway project. Caltrans management is now waiting a decision by the City on the next step. The traffic impact seems to have been on local streets rather than on the highway system. Mr. Sams noted that the changes in traffic patterns will be troublesome for utilities working in the South of Market area.

Sewer Management System Mr. Walsh reported that the sewer plan has been revised due to receipt of new funding, so that the working schedule for the existing work list is now three years (plus emergencies) rather than five. The changes will appear in next month's report.

Curb Ramp Standards A meeting has been held to begin coordinating utility relocations earlier in the design process.

Street Clearances Ms. Chow said Project Development is trying to mail the CULCOP reports and minutes two weeks before each meeting. We will distribute addenda for information arriving after that. Mr. White noted that the 911 project fact sheet is a good example of what we would like to receive at presentations for inclusion in the minutes.

GIS Basemap Centerline Layer We are now linking the Pavement Management and Mapping System with the GIS data base. The Centerline Map is now in the final phases of QA. We hope to have the ACAD version converted to ArcInfo and MapInfo by Christmas, and to produce the map books soon after.

Blue Book & Restricted Parking in Construction Zones A map plot of the restricted parking zones will be available next meeting.

Chinatown Construction Zone Ms. Wong asked about coordination between PG&E and sewer work in Sacramento St. There are complaints about too much time between the work phases. Mr. Anderson responded that the gas and sewer lines are close enough together that the trenches overlap. The sewer problem appeared during the PG&E work, and it takes time to prepare for unanticipated work. Even with the best coordination, digups disclose surprises, which by definition are not plannable. There are also the holidays and the rainy season to consider.

Draft Legislation for Street Excavation The draft is still with the City Attorney; Mr. Troyan will make his presentation when it has been returned.

Membership List / Mailing Updates Please update a copy of the list in last month's minutes as appropriate and return it to Mr. Norris.

Administrative Code / Executive Session The executive session will meet in late January. Please contact Mr. White at 557-4740 with recommendations for topics and for who should be present as Mr. Primeau's counterpart in your agency.

911 Emergency Communication Center A copy of the fact sheet provided by Mr. Travis was distributed. (See Attachment A)

NEW BUSINESS

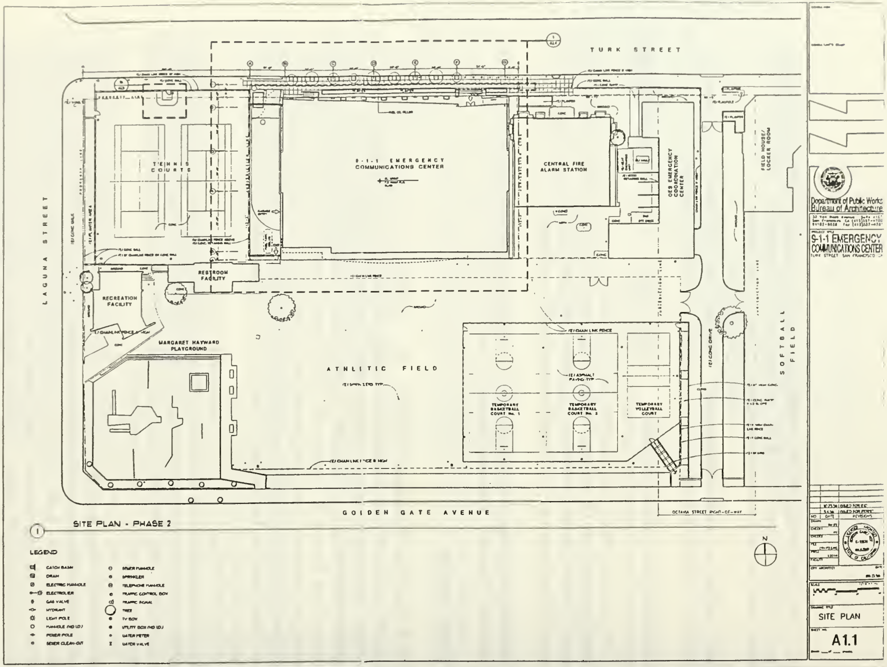
M & N Lines Rail Replacement Projects Mr. Rudnicki of Muni Engineering displayed a plan of the work areas and discussed the projects. Bids are expected in late January. The M Line work is between 19th Avenue and San Jose Avenue except for Orizaba Street which is in a separate contract. It will involve all new rail and two key stops at Arch St. and at Plymouth St., with the new track 20" farther apart than the existing to discourage cars from passing while passengers are boarding or getting off. The pavement outside the track way will also be resurfaced by DPW. There will be 19 curb ramps added besides the ones at the key stops. It appears utility work will consist of water mains and a gas valve at Plymouth.

The N Line project is in the curve at Arguello, by UC Hospital. The curves will be slightly flattened, one catch basin will be raised, and track drains will be added. No curb ramps will be added. Mr. White asked Mr. Rudnicki to send us a fact sheet similar to the one for the 911 project. (See Attachment B)

Street Construction Activity Web Site Mr. White made a presentation of the DPW web site that will display street construction activities starting early 1997. The web site is intended to provide useful maps that inform the public about construction work by utilities and city departments. The information are collected from CULCOP members such as PG&E, SFWD, Paving, DPT, Viacom, Sewer, and Utility Undergrounding. The status of the web site will be presented at the January Meeting. For more information regarding the web site project, see Attachment C.

The next meeting will be at 10:00 am Thursday, January 9, 1997, the second Thursday of the month, in the fourth floor conference room at 1680 Mission Street.

ATTACHMENT A


TURK STREET
LAGUNA STREET
GOLDEN GATE AVENUE
OCTAVIA STREET RIGHT-OF-WAY
TENNIS COURTS
9-1-1 EMERGENCY COMMUNICATIONS CENTER
CENTRAL FIRE ALARM STATION
OES EMERGENCY COORDINATION CENTER
FIELD HOUSE/ LOCKER ROOM
SOFTBALL FIELD
RESTROOM FACILITY
RECREATION FACILITY
MARGARET HAYWARD PLAYGROUND
ATHLETIC FIELD
TEMPORARY BASKETBALL COURT No. 1
TEMPORARY BASKETBALL COURT No. 2
TEMPORARY VOLLEYBALL COURT
(E) CHAIN LINK FENCE
(E) CONC DRIVE
N
1
SITE PLAN - PHASE 2
LEGEND
CATCH BASIN
DRAIN
ELECTRIC MANHOLE
ELECTROLIER
GAS VALVE
HYDRANT
LIGHT POLE
MANHOLE (NO I.D.)
POWER POLE
SEWER CLEAN-OUT
SEWER MANHOLE
SPRINKLER
TELEPHONE MANHOLE
TRAFFIC CONTROL BOX
TRAFFIC SIGNAL
TREE
TV BOX
UTILITY BOX (NO I.D.)
WATER METER
WATER VALVE
Department of Public Works
Bureau of Architecture
9-1-1 EMERGENCY COMMUNICATIONS CENTER
TURK STREET SAN FRANCISCO
NO
DATE
REVISIONS
SITE PLAN
A1.1

City and County of San Francisco

Department of Public Works
Bureau of Architecture

MEMORANDUM
9-1-1/OES Emergency Communications Center

To:
Amy Chow
CULCOP
fax: 554-8283

Date:
12/11/96

From:
Paul Travis, BOA

Re: 911 Center Utilities Description for CULCOP

This is to confirm my presentation of November 14th regarding the Site Utilities for the 911/OES Emergency Communications Center.

The 911/OES Emergency Communications Center consists of a new 34,000 sq. ft. base isolated steel frame building with a 20,000 sq. ft. concrete garage, to be constructed in the 1000 Block of Turk Street between and Laguna Street and the Octavia Street right of way (The right of way is located between Gough and Laguna Streets).

Construction is expected to start in March of 1997 and finish in October of 1998.

There will be extensive excavation for under sidewalk construction, new sidewalks, and new curb, and gutter construction along the full length of the site frontage on Turk Street. Traffic will be diverted to the northern two lanes of Turk Street and the southern lanes will be used for construction staging and parking of SF Fire Department and Office of Emergency Employee employees.

Utilities:

Electrical: The electrical service entrance into the building is at the Northwest corner of the site from a transfer switch vault in the sidewalk. This vault houses a switch that allows the center to connect to two substations. The first electrical feed is from overhead wires along Turk Street from the east. At least one utility pole will need to be relocated. The second feed comes from a manhole in the Octavia Street right of way. New buried conduits will be run in the right of way to the Turk street sidewalk and then along Turk street to the transfer switch vault.

Gas: The gas service entrance is from the main in Turk street to a vault in the sidewalk at the north east corner of the building and then into the basement boiler room. Demand for gas in the building does not warrant redundant service.

Telephone: The project will have redundant telephone service with connections to two central offices. One entrance will be from existing person hole in Turk street into the basement of the neighboring Central Fire Alarm Station and then into the 911 Center. The second entry will be at the Northwest corner of the project. New conduits will run underground From a person hole at the intersection of Eddie and Laguna Streets, south under Laguna Street to Turk Street and into the project

CCTV: New CCTV service will enter the building parallel to the second telephone entrance

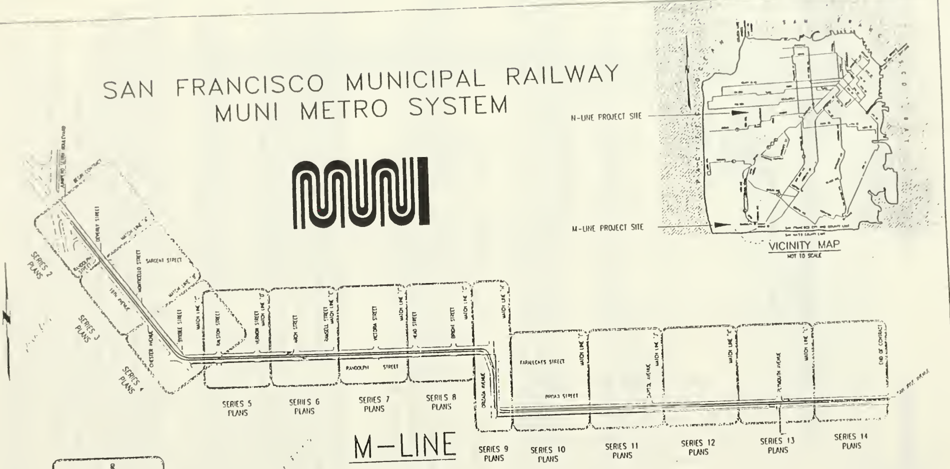
Department of Parking and Traffic: Traffic signal timing lines running under the south sidewalk of Turk Street will be removed and reinstalled as part of the project.

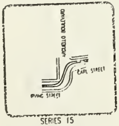
Distribution: Mike Quan

Project: 911/OES Emergency Communications Center, Turk Street
Job Number: 1001H
Via: Fax ■ Messenger ☐ US Mail ☐ Inter Dept. Mail ☐ Hand Delivered ☐

ATTACHMENT B

SAN FRANCISCO MUNICIPAL RAILWAY
MUNI METRO SYSTEM


N-LINE PROJECT SITE
M-LINE PROJECT SITE
SAN FRANCISCO CITY AND COUNTY LINE
SAN MATEO COUNTY LINE
VICINITY MAP
NOT TO SCALE
BEGIN CONTRACT
SERIES 2 PLANS
RANDOLPH STREET
DEVONEY STREET
MATCH LINE "A"
MONTICELLO STREET
SARGENT STREET
MATCH LINE "B"
19TH AVENUE
SERIES 3 PLANS
CHESTER AVENUE
SERIES 4 PLANS
BYXBEE STREET
MATCH LINE "C"
RALSTON STREET
VERNON STREET
MATCH LINE "D"
SERIES 5 PLANS
ARCH STREET
RAMSELL STREET
MATCH LINE "E"
SERIES 6 PLANS
VICTORIA STREET
RANDOLPH STREET
MATCH LINE "F"
SERIES 7 PLANS
HEAD STREET
BRIGHT STREET
MATCH LINE "G"
SERIES 8 PLANS
ORIZABA AVENUE
MATCH LINE "H"
SERIES 9 PLANS
FARALLONES STREET
BROAD STREET
MATCH LINE "I"
SERIES 10 PLANS
CAPITOL AVENUE
MATCH LINE "J"
SERIES 11 PLANS
MATCH LINE "K"
SERIES 12 PLANS
PLYMOUTH AVENUE
MATCH LINE "L"
SERIES 13 PLANS
END OF CONTRACT
SERIES 14 PLANS
M—LINE


ARGUELLO BOULEVARD
CARL STREET
IRVING STREET

SERIES 15 PLANS

N—LINE

M & N—LINES RAIL REPLACEMENT AND M—LINE KEY STOPS PROJECTS

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC TRANSPORTATION DEPARTMENT

MUNI METRO SYSTEM
M & N – LINES RAIL REPLACEMENT AND
M – LINE KEY STOPS PROJECTS

TITLE SHEET AND
KEY PLAN

MR-116
CL-XXX
G-1
of 4
0

M921.2 / MR-1166

M & N-LINES RAIL REPLACEMENT AND M-LINE KEY STOPS PROJECTS

ESTIMATED SCHEDULE AS OF DECEMBER 1996

• Go Out To Bid:	January	1997	
• Award/Notice To Proceed:	April	1997	3 months
• Start M-Line Demolition:	July	1997	3 months
• Finish M-Line Construction:	February	1998	8 months
• Start N-Line Construction:	March	1998	
• Finish N-Line Construction:	April	1998	2 months
• M- & N-Lines Construction Close Out:	June	1998	2 months
• Total Actual Construction:			10 months
• Total Construction Contract:	13 months + 2 months close out =		15 months

M921.2 / MR-1166

M & N-LINES RAIL REPLACEMENT AND M-LINE KEY STOPS PROJECTS

PROJECT TEAM

• Project Manager:	Ken Jew	554-0705
• Project Planner:	Susan Chelone	923-6387
• Project Engineer:	Mark Rudnicki	554-3235

• Constructibility: Reviewer	Alan Johanson
• Civil:	Jared Dunn, Henry Kim, Mark Rudnicki, Davis Gee
Civil Drafting:	Henry Kim, Tamam Abdallah, My Luc
• Overhead:	Ely Oriola, Bill Wong
Overhead Drafting:	Roberto Cortez, Gook Liang
• Electrical:	Raju Desai, Moon Lee, Jim Wen
Electrical Drafting:	Roberto Cortez, Boon Poon
• Drainage:	Nomie Ednalgan, Henry Anderson
• Roadway:	Laarni Camerino, Greg Cruz
• DPT:	Al Herce, Roop Jindal, Peter Woo

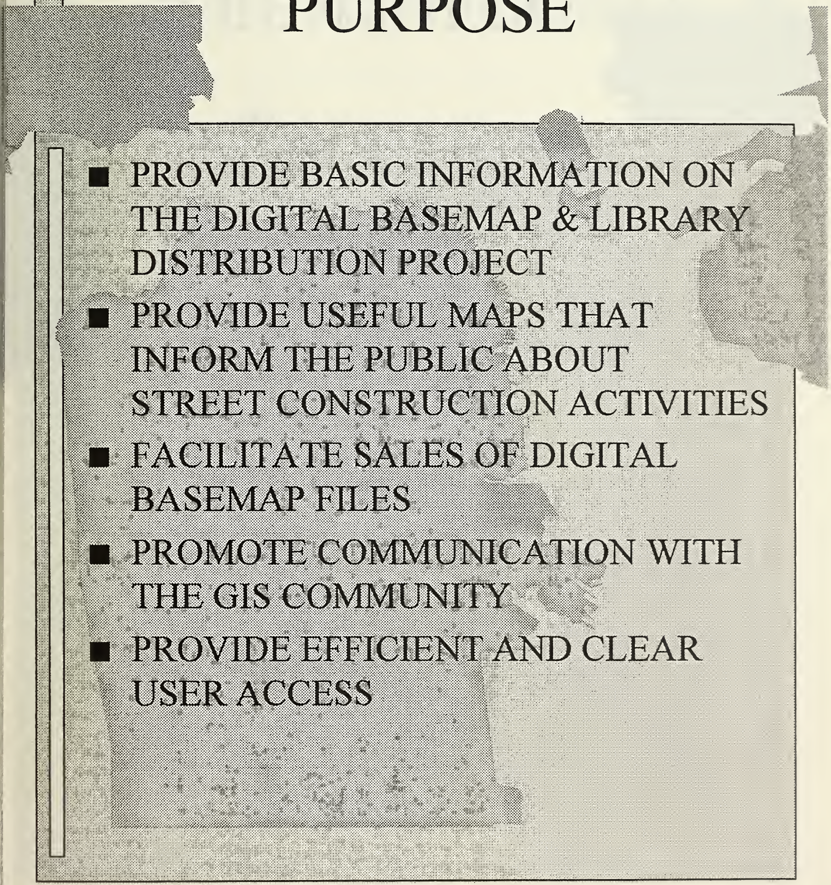
ATTACHMENT C

STREET CONSTRUCTION ACTIVITY WEB SITE

INTRODUCTION

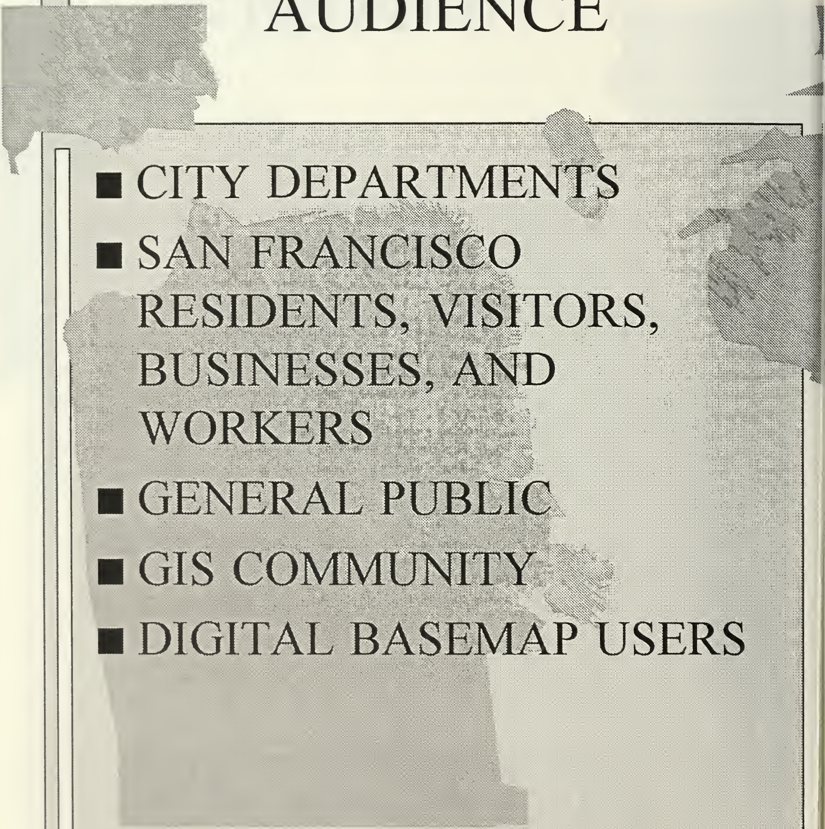
- PURPOSE
- AUDIENCE
- GOALS
- STREET CONSTRUCTION ACTIVITY
- IMAGES
- CONSTRUCTION PROJECTS LIST BY ZIP CODE
- LINKS TO OTHER WEB SITES

PURPOSE



- PROVIDE BASIC INFORMATION ON THE DIGITAL BASEMAP & LIBRARY DISTRIBUTION PROJECT
- PROVIDE USEFUL MAPS THAT INFORM THE PUBLIC ABOUT STREET CONSTRUCTION ACTIVITIES
- FACILITATE SALES OF DIGITAL BASEMAP FILES
- PROMOTE COMMUNICATION WITH THE GIS COMMUNITY
- PROVIDE EFFICIENT AND CLEAR USER ACCESS

AUDIENCE

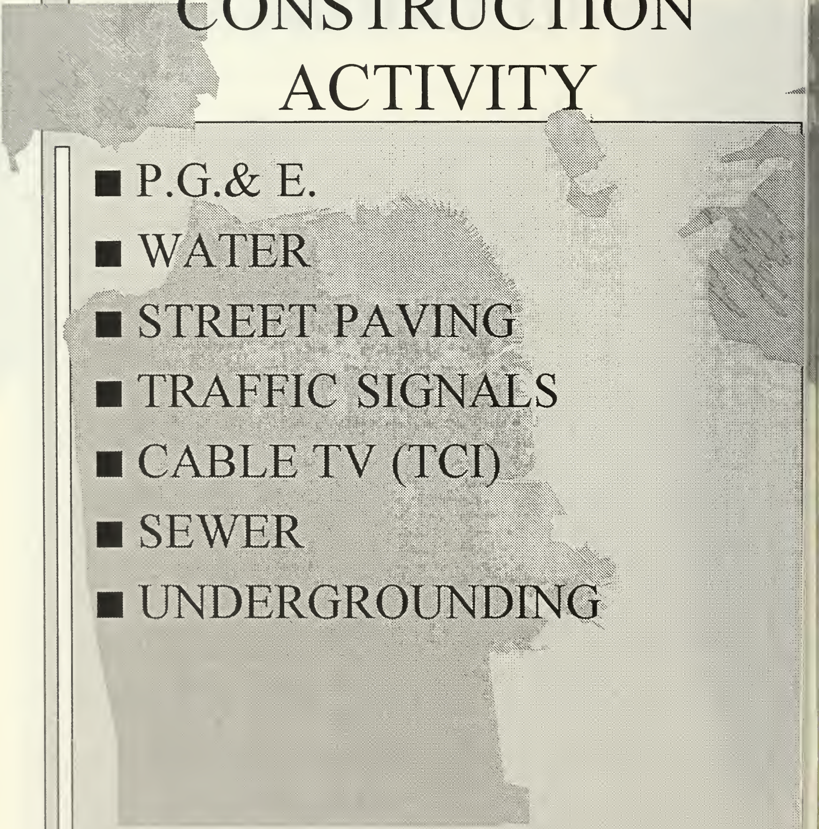


- CITY DEPARTMENTS
- SAN FRANCISCO RESIDENTS, VISITORS, BUSINESSES, AND WORKERS
- GENERAL PUBLIC
- GIS COMMUNITY
- DIGITAL BASEMAP USERS

WEB SITE GOALS

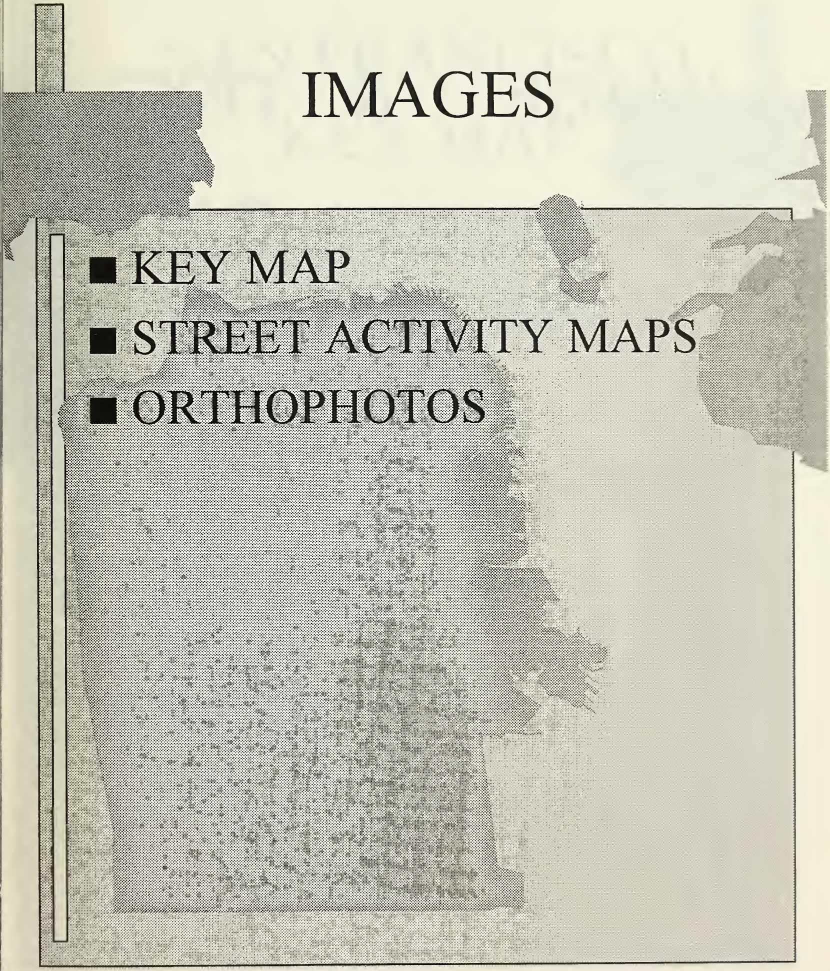
- CREATE FAST AND EFFICIENT SITE ACCESS
- USE INTERACTIVE DATA FILL-IN FORMS
- LINKED STATIC IMAGES TO TABLES
- CREATE TEXT BASED ACCESS OPTION
- LINK TO OTHER MAPPING WEB SITES

STREET CONSTRUCTION ACTIVITY



- P.G.& E.
- WATER
- STREET PAVING
- TRAFFIC SIGNALS
- CABLE TV (TCI)
- SEWER
- UNDERGROUNDING

IMAGES



- KEY MAP
- STREET ACTIVITY MAPS
- ORTHOPHOTOS

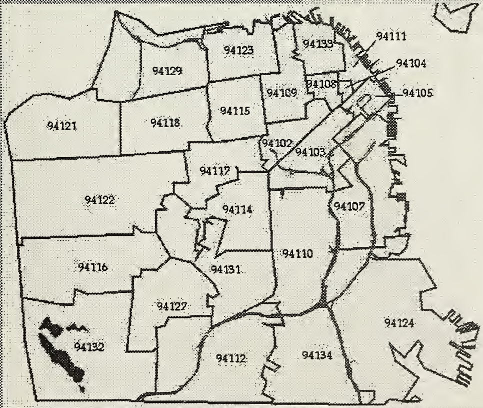
IMAGE & TEXT

-
- KEY MAP

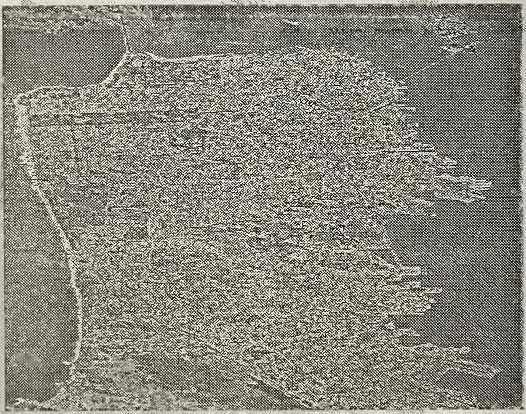
-
- STREET MAP

- PHOTO

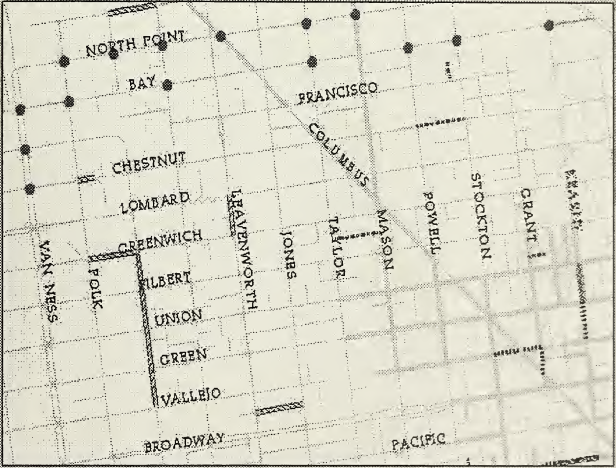
SAN FRANCISCO KEY MAP


94129
94123
94133
94111
94104
94108
94109
94105
94121
94118
94115
94102
94103
94117
94122
94114
94107
94116
94131
94110
94127
94124
94132
94112
94134

S.F. PHOTO VIEW



STREET CONSTRUCTION MAP

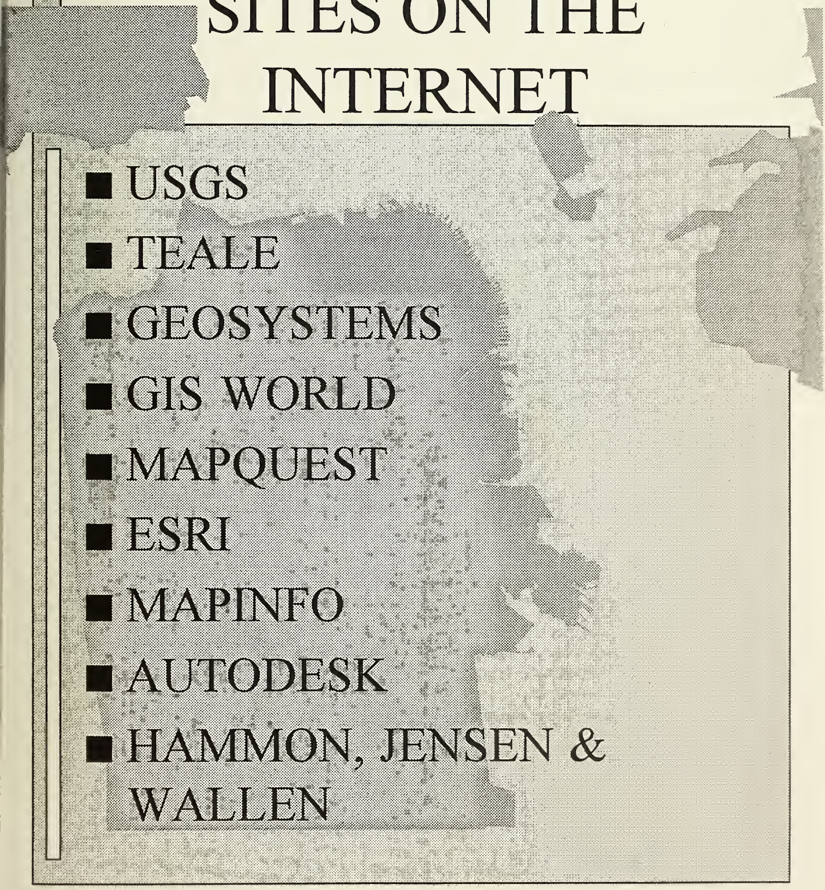

NORTH POINT
BAY
FRANCISCO
COLUMBUS
CHESTNUT
LOMBARD
GREENWICH
FILBERT
UNION
GREEN
VALLEJO
BROADWAY
PACIFIC
VAN NESS
POLK
LEAVENWORTH
JONES
TAYLOR
MASON
POWELL
STOCKTON
GRANT
KEARNY

CONSTRUCTION PROJECT LIST BY ZIP CODE

11-Dec-96

ZIP CO	STREET	FROM ST	TO ST	PAVING	PGEGAS	WATER	CABLE	SEWER	UGD	SIGNAL
94108	JACKSON	COLUMBU	KEARNY ST		97					
94111	BALANCE	JACKSON	GOLD ST	97						
94111	BATTERY	WASHING	JACKSON S		96					
94111	BATTERY	VALLEJO	GREEN ST							
94111	BATTERY	BROADW	VALLEJO ST							
94111	BATTERY	PACIFIC A	BROADWAY							
94111	BATTERY	JOHN MA	UNION ST							
94111	BATTERY	UNION ST	FILBERT ST							
94111	BATTERY	GREEN ST	JOHN MAHE			97				
94111	BATTERY	GREENWI	THE EMBAR							
94111	BATTERY	FILBERT S	GREENWIC							
94111	BATTERY	JACKSON	PACIFIC AV		96					
94111	BROADWAY	FRONT ST	BATTERY S							
94111	BROADWAY	DAVIS ST	FRONT ST	97						99
94111	BROADWAY	BATTERY	SANSOME S							
94111	BROADWAY	THE EMBA	DAVIS ST							
94111	CHESTNUT	SANSOME	MONTGOME							
94111	CHESTNUT	EMBARCA	SANSOME S							
94111	COLUMBUS	MONTGO	GIBB ST		97					
94111	COLUMBUS	GIBB ST	JACKSON S		97					
94111	COWELL	START:SO	VALLEJO ST							
94111	CUSTOM HOUSE	WASHING	JACKSON S							
94111	DAVIS	JACKSON	BROADWAY							
94111	DAVIS	CLAY ST	WASHINGT							
94111	DAVIS	BROADW	VALLEJO ST							
94111	DAVIS	VALLEJO	END:NORTH							
94111	DRUMM	CLAY ST	WASHINGT	97						
94111	DRUMM	WASHING	JACKSON S							

LINKS TO MAPPING SITES ON THE INTERNET



- USGS
- TEALE
- GEOSYSTEMS
- GIS WORLD
- MAPQUEST
- ESRI
- MAPINFO
- AUTODESK
- HAMMON, JENSEN & WALLEN

84942

HOUCHEN
BINDERY LTD
UTICA OMAHA NE.
2004